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[AUSTRALASIA, 1885.]**

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JUNE 12, 1909

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FIG. 192.

FIG. 348.

FIG. 515.

FIG. 601.



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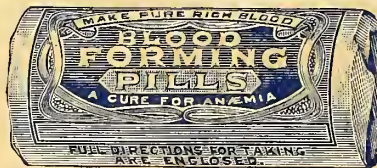
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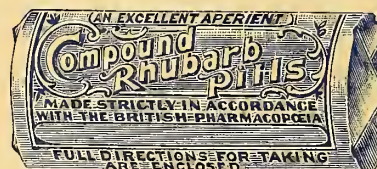
Formula: Bland Pill and Aloin. Oval Pink Sugar Coated Pills.



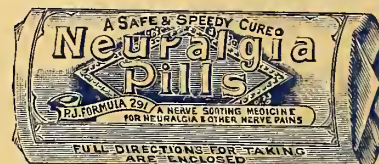
Formula: Phosphorus, Quinine and Iron. Oval Pink Sugar Coated.



Formula: Ext. Fuci Vesic. gr. 4. Round White Pearl Coated.



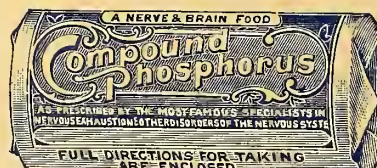
Formula: Pil. Rhei Co. gr. 4. Round White Sugar Coated.



Formula: Quinine, Iron, Camphor, Henbane, Colchicum, and Belladonna. Oval Chocolate Coated Pills.



Formula: Aloes Soc., Myrrh, Rhubarb, Soap, O. Menth. Pip.



Phosphorus gr. 150, Quinine gr. 1-2. Ferri Redact. gr. 2. Round White Pearl Coated.



Formula: Blands and Aloin. Oval Pink Sugar Coated.



Formula: Pil. Aloes et Ferri gr. 4. Apiole, m. 1-8. White Round Sugar Coated.



Formula: Calcii Sulphidi gr. 1-4. Pink Round Sugar Coated.



Formula: Phosphorus, Quinine, Ext. Coca, Ext. Damiana. Round White Pearl Coated.



Formula: Ext. Uvae Ursi, Buchu, Pot. Nit., Squills, Podoph., Tereb. Venet., Capsicum. Oval Sugar Coated Grey.



Podoph., Ext. Colchici, Ext. Hyoscy., Pil. Rhei Co. Round Pills, Pearl Coated White.



Formula: Pil. Aloes et Ferri gr. 4. Ol. Pulegii q.s. Round Sugar Coated White.



Formula: Podophyllin, Ext. Coloc. Co., Ext. Hyoscy., Scammon. Resin., Soap, Aloes Soc., Gingerine. Oval Sugar Coated Yellow.



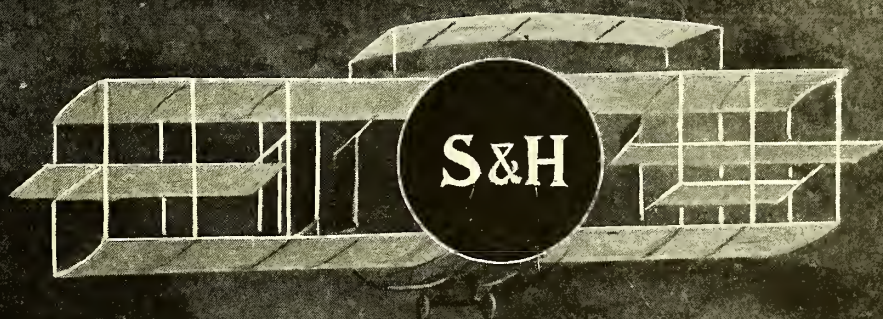
Formula: Podoph., Ext. Coloc. Co., Ext. Hyoscy., Scammon. Resin., Soap, Aloes Soc., Gingerine. Oval Sugar Coated Yellow.



Formula Pil. Galbani et Pil. Rhei Co. Oval Sugar Coated White.



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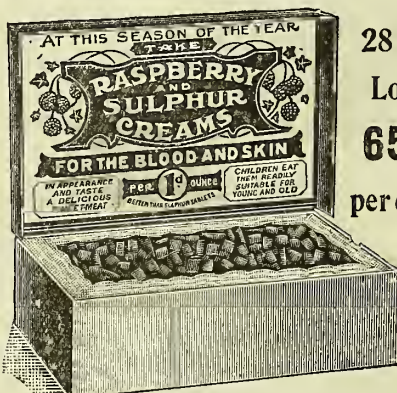




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British Automatic Aerators, Ltd.  
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Roberts, Richard, & Sons  
(See also SODA FOUNTAINS)

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(See also ESSENCES, SOL.)

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(See also CHLOROFORM)

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Thompson & Capper  
Wand Mfg. Co.  
Woolleys, Ltd.  
(See also WHOLESALERS)

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Devold, Peder  
Evans Sons Lescher & Webb, Ltd.  
Goodall, Backhouse & Co.  
Lloyd, T. Howard, & Co.  
Oldfield, Pattinson & Co.  
Southall Bros. & Barclay, Ltd.  
Woolley, Jas., Sons, & Co., Ltd.  
Wright, Layman & Umney, Ltd.  
Zimmermann, A. & M.  
Zimmermann, C., & Co.

**COLOURS, BEVERAGE, &c.**

Boake (A.), Roberts & Co., Ltd.  
Cresp-Martineng  
Stevenson & Howell, Ltd.  
(See also DAIRY ADJUNCTS)

**COMBS**

Hovenden, R., & Sons, Ltd.  
Kent, G. B., & Sons, Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co.  
Newbery, F., & Sons, Ltd.  
Sangers

**CORKS**

Mitchell, N. W., & Sons, Ltd.

**COUNTER ADJUNCTS**

Evans Sons Lescher & Webb, Ltd.

**COUNTER SPECIALITIES**

Allen & Hanburys, Ltd.  
British Drug Houses, Ltd.  
Hewlett, C. J., & Son  
Newbery, F., & Sons, Ltd.  
Southall Bros. & Barclay, Ltd.  
Woolleys, Ltd.

**CREAM OF TARTAR**

British Drug Houses, Ltd.

**CREOSOTE**

Baiss Bros. & Stevenson, Ltd.  
Burt, Boulton & Haywood  
Morson, T., & Son

**CREPE BANDAGES**

Kimber, W., & Son  
Norwich Crêpe Co. (1856), Ltd.

**CYANIDES**

May & Baker, Ltd.

**DAIRY SPECIALITIES**

Benger's Food, Ltd.  
Fullwood, R. J., & Bland  
Oldfield, Pattinson & Co.  
Tomlinson & Hayward, Ltd.

**DENTAL MECHANICS**

Fentiman, A. G.  
Fentiman, A. J., & Co.  
Halder, E. C.  
Wardale & Co.

**DENTIFRICES**

Beecham, T.  
Beiersdorf, P., & Co.  
Bell, John, Hills & Lucas, Ltd.  
Blackie, R.  
Burrongs Wellcome & Co.  
Calvert, F. C., & Co.  
Christy, T., & Co.  
Cook, E., & Co., Ltd.  
Encryl, Ltd.  
Jewsbury & Brown  
Lambert Pharmacal Co.  
McKesson & Robbins  
Maw, S., Son & Sons  
Newbery, F., & Sons, Ltd.  
Odol Chemical Works  
Standard Tablet & Pill Co.  
Woods, W., & Son  
Woolley, J., Sons & Co., Ltd.

**DIABETIC BREAD AND FOOD**

Callard & Co.  
Van Abbott, G., & Sons

**DIGESTIVE PRODUCTS**

Armour & Co., Ltd.  
Benger's Food, Ltd.  
Fairchild Bros. & Foster  
Parke, Davis & Co.  
Squire & Sons  
Zimmermann, C., & Co.

**DISINFECTANTS**

Baiss Bros. & Stevenson, Ltd.  
Burt, Boulton & Haywood, Ltd.  
Calvert, F. C., & Co.  
Condy & Mitchell, Ltd.  
Dalmas, A. de St., & Co.  
Edwards, W., & Son  
Jeyes' Sanitary Compounds, Ltd.  
Kay Bros., Ltd.  
Lambert Pharmacal Co.  
Morris Little & Son, Ltd.  
Roberts, Cornford & Co.  
Sanitas Co., Ltd.  
Tomlinson & Hayward, Ltd.  
Willows, Francis B. & T.  
Wright, Layman & Umney, Ltd.  
Zimmermann, C., & Co.

**DRUGGISTS' SUNDRIES**

Ayrton, Sannders & Co., Ltd.  
Barclay & Sons, Ltd.  
Berliner, Arthur  
Burge, Warren & Ridgley  
Chemists' Co-operative Wholesale  
Christy, T., & Co.  
Cook, Alfred, & Co.  
Edwards, W., & Son  
Evans Sons Lescher & Webb  
Fecher, M. J.  
Gutmann, A. E., & Co.  
Hay, J. B., & Co.  
Hewlett, C. J., & Sons  
Hovenden, R., & Sons, Ltd.  
Johnsen & Jorgensen, Ltd.  
Lennon, Ltd.  
Maw, S., Son & Sons  
May, Roberts & Co.  
Murdoch, John, & Co.  
Newbery, F., & Sons, Ltd.  
Poths, H., & Co.  
Quelch, H. C., & Co.  
Renter, R. J.  
Sangers  
Schnitz, F., & Co.  
Solport Bros.  
Southall Bros. & Barclay, Ltd.  
Tidman & Son, Ltd.  
Toogood, W., Ltd.  
Viscose Co., Ltd.  
Wood, Vincent  
Woolley, J., Sons & Co.

**DRUGS, CRUDE**

Potter & Clarke, Ltd.  
Ransom, W., & Son  
Salle, H., & Cie.

**DYES**

Judson, D., & Son  
Whitaker & Co.

**EAU DE COLOGNE**

Breidenbach & Co.  
Farina, J. M.  
Farina, J. M. (No. 4)  
Fickus, Courtenay & Co.  
McCracken, J. & R.  
Schnitz, F., & Co.

**EDUCATIONAL INSTITU-**

**TIONS**  
Bath and West of England Col-  
lege of Pharmacy  
Birmingham and Midland Col-  
lege of Pharmacy  
British Optical Institute  
Edinburgh Central School of  
Pharmacy  
Glasgow School of Pharmacy  
Leeds College of Pharmacy  
Liverpool School of Pharmacy  
London College of Pharmacy  
Manchester College of Pharmacy  
Muter's (So. Lond.) School of  
Pharmacy  
North of England School of  
Pharmacy  
Northern College of Pharmacy  
South of England College of  
Pharmacy  
Westminster College of Pharmacy

**EFFERVESCENT PREPS.**

Allen & Hanburys, Ltd.  
Bishop, Alfred, Ltd.  
Blackie, R.  
Bristol-Myers Co.  
Cox, A. H., & Co., Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Goodall, Backhouse & Co.  
Kutnow, S., & Co., Ltd.  
Lloyd, T. Howard, & Co.  
Lorimer & Co., Ltd.  
Martindale, W.  
Newball & Mason  
Potter & Clarke  
Standard Tablet & Pill Co.  
Sturge, John & E.  
Tidman & Son, Ltd.  
Tyrer, T., & Co., Ltd.  
Wright, Layman & Umney



**ELASTIC HOSIERY:**

Ayrton, Saunders & Co., Ltd.  
Berliner, Arthur  
Burge, Warren & Ridgley, Ltd.  
Haywood, J. H.  
Jackson, Röhrs, & Co.  
Maw, S., Son & Sons  
Wood, Vincent

**EMERY AND CLOTH**

Oakey, J., & Sons, Ltd.

**EMULSIONS, COD - LIVER OIL, ETC.**

Allen & Hanburys, Ltd.  
Ayrton, Saunders & Co.  
Baiss Bros. & Stevenson, Ltd.  
Blackie, R.  
Boulton, J., & Co.  
British Drug Houses, Ltd.  
Evans Sons Lescher & Webb, Ltd.  
Faulding, F. H., & Co.  
Harker, Stagg & Morgan, Ltd.  
Lorimer & Co., Ltd.  
Oldfield, Pattinson & Co.  
Scott & Bowne, Ltd.  
Parke, Davis & Co.  
Woolley, Jas. Sons, & Co.  
Woolleys, Ltd.

**EPSOM SALTS**

Howards & Sons, Ltd.

**ESSENCES, CONCRETE**

Lautier Fils  
Murray, O., & Co., Ltd.  
Roure-Bertrand fils  
Schmoller & Bompard

**ESSENCES, SOL. AND FRUIT**

Alliance Drug & Chem. Co.  
Baiss Bros. & Stevenson, Ltd.  
Barnett & Foster  
Boake (A.), Roberts & Co., Ltd.  
Bush, W. J., & Co., Ltd.  
Cresp-Martineng  
Evans Sons Lescher & Webb  
Hay, Wm., Ltd.  
Lautier Fils  
London Essence Co.  
Lorimer & Co., Ltd.  
Newball & Mason  
Roure-Bertrand fils  
Spencer, J., Son & Co.  
Stevenson & Howell, Ltd.  
Zimmermann, A. & M.

**ENEMAS**

Bailey, W. H., & Son  
Burge, Warren & Ridgley  
Devol Rubber Co.  
Hay, J. B., & Co.  
Ingram, J. G., & Son  
Maw, S., Son & Sons  
Toogood, W., Ltd.  
Warne, W., & Co., Ltd.

**ETHERS**

Baiss Bros. & Stevenson, Ltd.  
Macfarlan, J. F., & Co.  
May & Baker, Ltd.  
Tyrer, T., & Co., Ltd.  
White, A., & Sons

**EUCALYPTUS OIL**

British Drug Houses, Ltd.  
Baiss Bros. & Stevenson, Ltd.

**EXTRACT OF HERBS**

Newball & Mason  
Potter & Clarke

**EXTRACTS (MEDICINAL)**

Allen, Stafford, & Sons, Ltd.  
Chemists' Co-operative Wholesale  
Hewlett, C. J., & Son  
Parke, Davis & Co.  
Ransom, W., & Son  
(See also WHOLESALE DRUGGISTS)

**FEEDING BOTTLES**

Breth, E., & Co., Ltd.  
Fecher, M. J.  
Hovenden, R., & Sons, Ltd.  
Kilner Bros., Ltd.  
Maw, S., Son & Sons  
Sangers

Bavory & Moore, Ltd.  
Southall Bros. & Barclay, Ltd.  
Taylor, F. H., & Sons

**FILLING MACHINES**

Roberts' Pat. Fill. Machine Co.

**FILTERS (WATER)**

Berkefeld Filter Co., Ltd.

**FLYCATCHERS**

Alabastine Co. (British), Ltd.  
Ford, Shapland & Co.  
Frowein, C.  
Kay Bros., Ltd.  
Lange's, H. Successors  
Smith, J. H., & Co.  
Strong, Christy

**FORMALDEHYDE**

Bart, Boulton & Haywood

**FOODS, INFANTS'**

Allen & Hanburys, Ltd.  
Benger's Food, Ltd.  
Frame Food Co., Ltd.  
Lofthouse & Saltmer  
Natural Food Co., Ltd.  
Willows, Francis B. & T.

**FOODS, SPECIAL**

Allen & Hanburys, Ltd.  
Benger's Food, Ltd.  
Brand & Co., Ltd.  
Burt, C. J.  
Callard & Co.  
Fairchild Bros. & Foster  
Frame Food Co., Ltd.  
Menley & James, Ltd.  
Miol Manufacturing Co.  
Natural Food Co., Ltd.  
Wander, A.

**FRUIT CRYSTALS**

Aerators, Ltd.

**FULLER'S EARTH**

Mumford, G. S., & Sons

**FUMIGATORS**

Sanitas Co., Ltd.

**GELATIN AND GLUE**

Boehm, F., Ltd.

**GLAUBER'S SALT**

Bramwell, E., & Son  
Howards & Sons, Ltd.

**GOLD PAINT**

Judson, D., & Son

**HAIR PREPARATIONS**

Capsuloid Co., Ltd.  
Chesbrough Manfg. Co.  
Dralle, Georg.  
Edwards' "Harlene" Co.  
Harker, Stagg & Morgan  
Herpicide Co.  
John Bull Hair Food  
John Strange Winter  
Robare's Anreoline  
Rowland, A., & Sons  
Woolleys, Ltd.

**GLYCERIN**

Boehm, F., Ltd.  
Price's Patent Candle Co.

**GRINDERS**

Allen, Stafford, & Sons, Ltd.  
Goodall, Backhouse & Co.  
Willows, Francis B. & T.

**HAT DYES**

Whitaker & Co.

**HAT RENOVATORS**

Christy, T., & Co.

**HEATING FLASKS**

Gutmann, A. E., & Co.

**HERBS**

Potter & Clarke

**HOMOEOPATHIC MEDICINES**

Ashton & Parsons, Ltd.  
Keene & Ashwell, Ltd.  
Leath & Ross

**HOT-WATER BOTTLES**

Berliner, Arthur  
Burge, Warren & Ridgley  
Maw, S., Son & Sons  
May, Roberts & Co.  
Southall Bros. & Barclay  
Wood, Vincent

**HOTELS**

Esmond Hotel  
Kingsley Hotel  
Thackeray Hotel

**HYDROGEN PEROXIDE**

May & Baker, Ltd.  
Sanitas Co., Ltd.

Tyrer, T., & Co., Ltd.

**HYPOPHOSPHITES**

May & Baker, Ltd.  
Merck, E.

Tyrer, T., & Co., Ltd.

**INHALERS**

Christy, T., & Co.  
Fecher, M. J.  
Sangers

Taylor, F. H., & Sons

**INK**

Bewley & Draper, Ltd.  
Hickinson, A. B.

**INSECT POWDER**

Boehm, F., Ltd.  
Smith, B. A., & Co.

**INSECTICIDES**

Aome Chemical Co., Ltd.  
Christy, Thos., & Co.  
Smith, B. A., & Co.  
Tomlinson & Hayward, Ltd.  
Voss, Walter, & Co.  
Woolleys, Ltd.

**IODINE AND IODIDES**

Howards & Sons, Ltd.  
Merck, E.

Morsen, T., & Son

**ITROSYL**

Fletcher, Fletcher & Co.

**JARS AND POTS**

Breth, E., & Co., Ltd.  
Cook, A., & Co.  
Johnsen & Jorgensen, Ltd.  
Kilner Bros., Ltd.  
Lang, Jules, & Son  
Maw, S., Son & Sons  
Pothe, H., & Co.  
Reuter, R. J.  
Stipendium Stopper Co.  
Taylor, F. H., & Sons  
Toogood, W., Ltd.

**LACTIC FERMENTS**

Allen & Hanburys, Ltd.  
Cox, Arthur H., & Co., Ltd.  
Martindale, W.  
Parke Davis & Co.  
Wilcox, Jozean & Co.

**LAMPS, DISINFECTING**

Roberts, Cornford & Co.

**LANOLINE**

Burroughs Wellcome & Co.  
Christy, T., & Co.  
Sangers

**LARD**

Chemists' Co-operative Wholesale  
Ewen, J., & Sons

**LIME AND JUICE CORDIAL**

Evans Sons Lescher & Webb  
Goodall, Backhouse & Co.  
Idris & Co., Ltd.

**LINSEED, CRUSHED, ETC.**

Allen, Stafford, & Sons  
Mumford, G. S., & Sons

**LINTS**

Vernon & Co., Ltd.

**LIQUORICE JUICE**

Boehm, F., Ltd.  
British Drug Houses, Ltd.  
Evans, Gray & Hood  
Evans Sons Lescher & Webb, Ltd.  
Horner & Sons  
Jackson, E. E.  
Mumford, G. S., & Sons

**LIQUORS, CONC., ETC.**

Allen, Stafford, & Sons, Ltd.  
Fletcher & Fletcher & Co.  
Hewlett, C. J., & Son  
Robinson, B., & Co.

**LITHIA SALTS**

British Drug Houses, Ltd.  
May & Baker, Ltd.  
Merck, E.

**LOOFAHS**

Cresswell Bros. & Schmits

**LOZENGES**

Allen & Hanburys, Ltd.  
Cox, A. H., & Co., Ltd.  
Denonah, J., & Co.  
Jackson, E. E.  
Potter & Clarke  
Raimes & Co.  
Warrick Bros.

**MACHINERY, PHARMACAL**

Allen & Hanburys, Ltd.  
Bennett, E., & Son, Ltd.  
Bennett, Sons & Shears, Ltd.  
Brown & Son  
Fecher, M. J.  
Gardner, Wm., & Sons, Ltd.  
"Heronides" Meat Juice Press  
Pindar, J. W., & Co.  
Roberts' Patent Filling Machine Co.  
Smith, B. A., & Co.  
Stokes, F. J., Machine Co.  
Thompson & Capper (Stokes)  
Wilkinson, S. W., & Co.

Co.

Smith, B. A., & Co.

Stokes, F. J., Machine Co.

Thompson & Capper (Stokes)

Wilkinson, S. W., & Co.

Co.

Smith, B. A., & Co.

Stokes, F. J., Machine Co.

Thompson & Capper (Stokes)

Wilkinson, S. W., & Co.

Co.

Smith, B. A., & Co.

Stokes, F. J., Machine Co.

Thompson & Capper (Stokes)

Wilkinson, S. W., & Co.

Co.

**MEAT EXTRACT**

Armour & Co., Ltd.  
Brand & Co., Ltd.

**MEDICINE CHESTS**

Barronghs Wellcome & Co.  
Keene & Ashwell, Ltd.  
Leath & Ross  
Lloyd, T. Howard, & Co.  
Parke, Davis & Co.

**MENTHOL CONES**

Maw, S., Son & Sons  
Shirley Bros., Ltd.

**MERCURIALS**

Howards & Sons, Ltd.  
May & Baker, Ltd.  
Merck, E.

Tyrer, T., & Co., Ltd.

**METEOROLOGICAL SETS**

Darton, F. & Co.

**METHYLATED SPIRIT**

Burroughs, J., Ltd.  
Preston's Liverpool Distillery  
Randall & Son, Ltd.

**MILK APPARATUS**

Zimmermann, U., & Co.

**MILK BYPRODUCTS**

Caseln, Ltd.

**MINERAL WATERS AND SALTS**

Apollinaris Co., Ltd.  
British Drug Houses, Ltd.  
Burrow, W. & J. (Malvern)  
Hnghes E. Griffiths  
Ingram & Royle, Ltd.  
Viohy (State Springs)

**NAFHTHAS**

Burt, Boulton & Haywood

**NASAL DOUCHES**

Taylor, F. H., & Sons

**OILS, ESSENTIAL**

Allen, Stafford, & Sons, Ltd.  
Alliance Drug & Chem. Co.  
Baiss Bros. & Stevenson  
Boake (A.), Roberts & Co., Ltd.  
Bush, W. J., & Co., Ltd.  
Chris, Antoine  
Cresp-Martineng  
Evans Sons Lescher & Webb, Ltd.

Horner & Sons  
Jackson, J., & Co.

Lautier Fils  
London Essence Co.

Matthew, Jesse  
Mühlethaler, Th., Ltd.

Pasquale, S. F. de, & Fratelli  
Poppelreuter, W.

Ransom, W., & Son  
Roure-Bertrand fils

Sachse, E., & Co.  
Schimmel & Co.

Schmoller & Bompard  
Spencer, J., Son & Co.

Spruway et Cie.  
Stevenson & Howell, Ltd.

Todd, A. M., Co.  
Wright, Layman & Umney

Zimmermann, A. & M.

**OILS, FATTY, ETC.**

Allen, Stafford & Sons, Ltd.  
Cresp-Martineng

Price's Patent Candle Co.  
Smith, B. A., & Co.

**OILS, MINERAL**

Price's Patent Candle Co.  
Wright, Layman & Umney

**ointments**

Blackie, R.  
Chemists' Co-operative Wholesale

Oldfield, Pattinson & Co.

**OPTICAL GOODS**

Botwright & Grey  
Darton, F., & Co.

Maw, S., Son & Sons  
Newbery, F., & Sons, Ltd.

Nitsche & Günther  
Raphael's, Ltd.

**OPTICAL INSTRUCTION**

British Optical Institute

**OTTO OF ROSE**

Bontcheff & Kidoff  
Pappazoglou, D.

Reitmeyer & Co. (synthetic)  
Seraphimoff, S., & Co.

Shinkoff & Co.

**PASTILLES**

Allen & Hanburys, Ltd.  
Asche, C. F., & Co.

Baiss Bros. & Stevenson

Barronghs Wellcome & Co.

Denonah, J., & Co.

Evans Sons Lescher & Webb

Warrick Bros.



**PALATINOLIDS**

Oppenheimer, Sons &amp; Co.

**PATENT AGENT**

Barker, R. W.

**PERFUME MATERIALS**

Bush, W. J., &amp; Co., Ltd.

Chiris, Antoine

Compagnie Morana

Cresp-Martineq

Lantier Filis

Muhlethaler, Th., Ltd.

Murray, O., &amp; Co., Ltd.

Schimmel &amp; Co.

Shipkoff &amp; Co.

Spencer, J., Son &amp; Co.

Spurway et Cie.

Treatt, H. C., &amp; Co.

Zimmermann, O., &amp; Co.

**PERFUMES**

Allen &amp; Hanburys, Ltd.

Barclay &amp; Sons, Ltd.

Breidenbach &amp; Co.

Bronnley, H., &amp; Co., Ltd.

Bush, W. J., &amp; Co., Ltd.

Christy, T., &amp; Co.

Chuit, Naef &amp; Co.

Cresp-Martineq

Dralle, Georg.

Erasmo Co., Ltd.

Evans Sons Lescher &amp; Webb, Ltd.

Hewlett, O. J., &amp; Son

Hovenden, R., &amp; Sons, Ltd.

Lescol Perfumery Co.

McCracken, J. &amp; R.

Maw, S., Son &amp; Sons

Newbery, F., &amp; Sons, Ltd.

Piver, L. T.

Quelch, H. C., &amp; Co.

Reuter, R. J.

Southall Bros. &amp; Barclay

Spencer, J., Son &amp; Co.

Spurway et Cie.

To-Kalon Mfg. Co.

Warrick Bros.

West, T.

Yardley &amp; Co., Ltd.

Zenobia Laboratories

**PESSARIES**

Burge, Warren &amp; Ridgley

Howison &amp; Co., Ltd.

Kendell, W. J.

**PETROLEUM EMULSION**

British Drug Houses, Ltd.

**PETROLEUM JELLY**

Chesebrough Mfg. Co.

**PHOTO-CHEMICALS**

Boehringer, O. F., &amp; Soehne

Burroughs Wellcome &amp; Co.

Lockyer, J. E.

Merck, R.

**PHOTO-GOODS**

Barclay &amp; Sons, Ltd.

Darton, F., &amp; Co.

Evans Sons Lescher &amp; Webb

Halifax Photographic Co.

Ilford, Ltd.

Lennon, Ltd.

May, Roberts &amp; Co.

Murdock, John, &amp; Co.

Newbery, F., &amp; Sons, Ltd.

Hewlett, O. J., &amp; Son

Howards &amp; Sons, Ltd.

Lloyd, T. Howard, &amp; Co.

McKesson &amp; Robbins

Parke, Davis &amp; Co.

Pill, Tablet, &amp; Capsule Alliance

Southall Bros. &amp; Barclay

Standard Tablet &amp; Pill Co.

Wand Mfg. Co.

Warner, W. R., &amp; Co.

Woolley, J., Sons &amp; Co., Ltd.

**PHOTO-ENLARGERS,****PRINTERS, & C.**

Express Developing Co.

Halifax Photographic Co.

**PILL MAKERS**

Allen &amp; Hanburys, Ltd.

Asche, O. F., &amp; Co.

Bishop, Alfred, Ltd.

British Drug Houses, Ltd.

Cox, A. H., &amp; Co., Ltd.

Davies, Sons &amp; Co.

Evans Sons Lescher &amp; Webb, Ltd.

Hewlett, O. J., &amp; Son

Howards &amp; Sons, Ltd.

Lloyd, T. Howard, &amp; Co.

McKesson &amp; Robbins

Parke, Davis &amp; Co.

Pill, Tablet, &amp; Capsule Alliance

Southall Bros. &amp; Barclay

Standard Tablet &amp; Pill Co.

Wand Mfg. Co.

Warner, W. R., &amp; Co.

Woolley, J., Sons &amp; Co., Ltd.

**PROPRIETARY ARTICLES**

American Drug Stores

Anglo-American Drug Co.

Anglo-American Phar. Co., Ltd.

Ashton &amp; Parsons, Ltd.

Atkinson &amp; Barker

Barclay &amp; Sons, Ltd.

Battle, Son &amp; Malthy

Beecham, T.

Beiersdorf, P., &amp; Co.

Bile Bean Mfg. Co.

Box, W. H.

British Drug Houses, Ltd.

Capsuloid Co., Ltd.

Cardinal Mfg. Co., Ltd.

Chameleon Oil Co.

Christy, T., &amp; Co.

Coleman &amp; Co., Ltd.

Congreve, G. T.

Cox, A. H., &amp; Co., Ltd.

Curry, Henry

Daggett &amp; Ramsdell

Daisy, Ltd.

Davenport, J. T., Ltd.

Day &amp; Sons (Crews), Ltd.

Day, Son &amp; Hewitt

Denoual, J., &amp; Co.

Edwards, W., &amp; Son

Elliman, Sons &amp; Co.

Evans Sons Lescher &amp; Webb

Faulding, F. H., &amp; Co.

Fellows' Syrup

Fennings, Alfred

Ferris &amp; Co.

Finford, O. E., Ltd.

Giles, H. G., &amp; Co.

Goodall, Backhouse &amp; Co.

Grapelax, Ltd.

Greeff, R. W., &amp; Co.

Guy's Tonic Co.

Heala Manufacturing Co.

Henry, T. &amp; W.

Hovenden, R., &amp; Sons, Ltd.

Hughes, E. Griffiths

Ichthyol Co.

International Chemical Co.

Iron-Ox Rem. Co., Ltd.

Kay Bros., Ltd.

Kintow, S., &amp; Co., Ltd.

Lalor's, Dr., Phosphodyne

Lambert Pharmacal Co.

Lofthouse &amp; Saltmer

Lorimer &amp; Co., Ltd.

May Roberts &amp; Co.

Menley &amp; James, Ltd.

Mol Manufacturing Co.

Newbery, F., &amp; Sons, Ltd.

Odol Chemical Works

Owbridge, W. T., Ltd.

Pedezy Co.

Resinol Chemical Co.

Richards, J. M., &amp; Sons

Rinwel Co.

Sangers'

Savareese's Capsules (Evans)

Schimmel &amp; Co.

Scott &amp; Bowne, Ltd.

Squire &amp; Sons

Standard Tablet &amp; Pill Co.

Stedman's Teething Powders

Thompson &amp; Capper

To-Kalon Mfg. Co.

Tnnbridge &amp; Wright

Wilcox, Jozean &amp; Co.

Zotos, Ltd.

(See also DENTIFRICES AND TOILET ARTICLES)

**PRINTERS**

Dudley &amp; Co.

Ford, Shapland &amp; Co.

Harrison &amp; Waide

Smith, W. H., &amp; Son

Townsend, J., &amp; Sons

**PULVILLÆ**

Warrick Bros.

**PULVERETTES**

Oppenheimer, Son &amp; Co., Ltd.

**PUMPS**

Berkefeld Filter Co., Ltd.

**QUININE AND SALTS**

Boehringer, O. F., &amp; Soehne

Howards &amp; Sons, Ltd.

**RAZORS**

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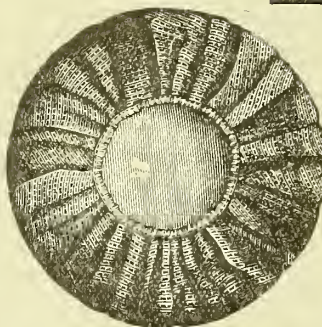
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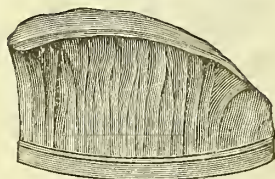
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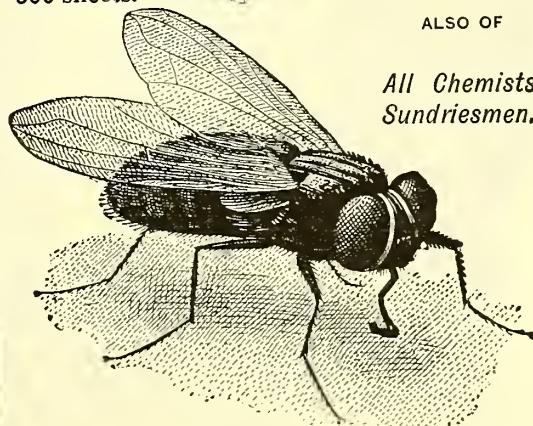
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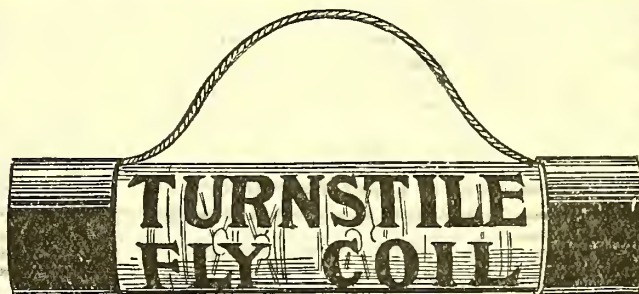
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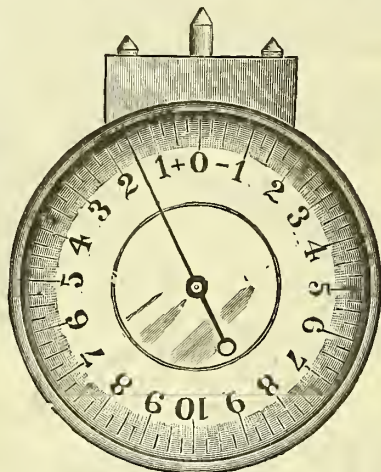
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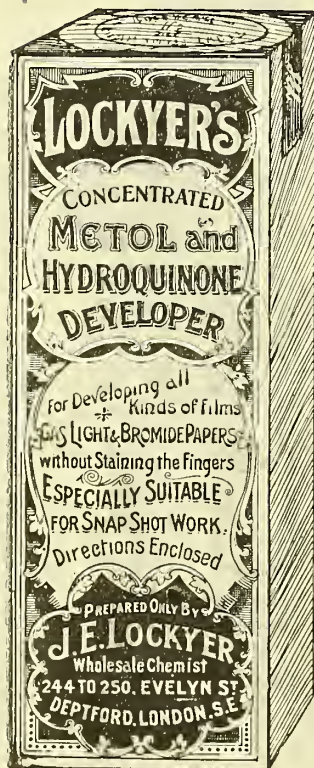
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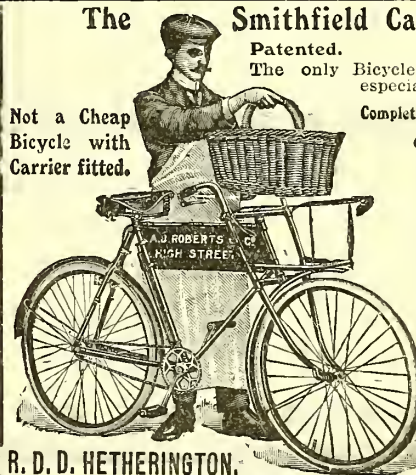
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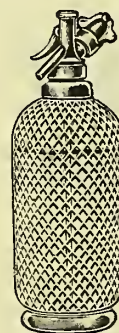
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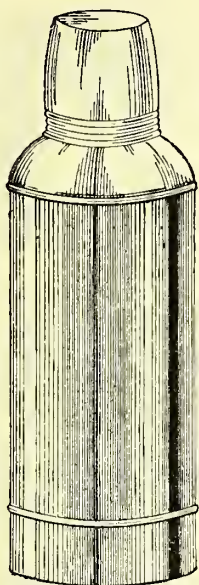
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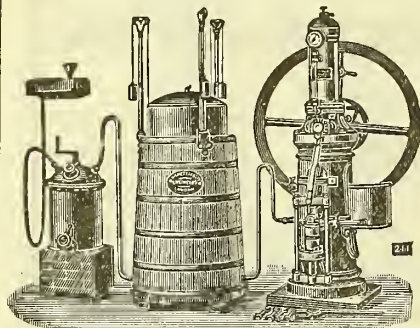
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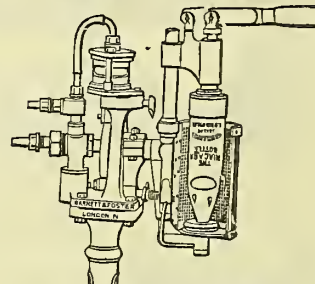
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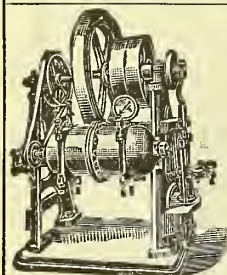
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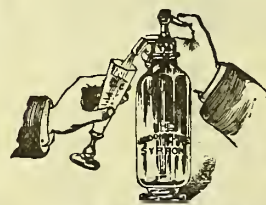


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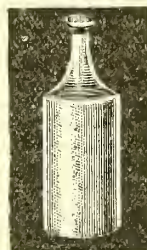
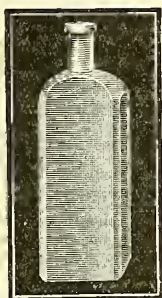
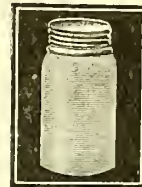
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OFFICE: 42 CANNON STREET, E.C.

SATURDAY, JUNE 12 1909.

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Advertisers are desired to take note that the advertisements of Businesses for Disposal and Wanted, Situations Open and Required, Exchange Column, &c., belong to the **PREPAID CLASS**, and to ensure the due insertion of the announcements the remittances must accompany the instructions. A great amount of unnecessary correspondence is occasioned by the non-observance of this regulation, and the Publisher hopes that the advertisers will assist in the quick preparation and despatch of the Supplement by strictly observing this rule. Advertisements for the current issue cannot be received after 4 p.m. on Thursday in each week.

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5.—**DERBYSHIRE** (Small Town).—Mixed Country Retail; returns £850; best position; price for quick sale £375, or near offer.

6.—**SUSSEX.**—Good-class Light Country Retail; returns about £950; plenty of scope; owner retiring; price £600.

7.—**KENT.**—Unopposed Light Country Retail; returns £800; net profit £300; easily worked; price £355.

8.—**SOUTH COAST.**—Good-class Retail and Dispensing; returns about £1,000; good profits; price £50 and valuation.

9.—**EAST COAST.**—Light Cash Retail; returns £400 under assistant; has done £1,000; corner position; main street; price £300.

10.—**LONDON, S.E.**—High-class suburban Retail; returns £950; handsome shop, fully stocked; price £800; strongly recommended.

11.—**VICTORIA STATION** (near).—First-class Retail; returns over £1,250; net profit £439; splendid position; price £1,000.

12.—**LONDON, N.W.**—Good-class Retail and Dispensing; returns £750 to £800; scope for increase; net profit £200; price £350, or offer.

13.—**CHESHIRE** (Seaside Resort).—Light Retail, Dispensing, and Prescribing, with own Specialities; returns about £700; net profit £276; excellent position; good house; price £450, simply valuation.

14.—**N. WALES** (Health Resort).—Good-class Retail and Dispensing; splendid position; returns £870; net profit £290; price £650.

15.—**YORKS** (Death Vacancy).—General Mixed Retail Business; neglected; returns over £1,000; price for quick sale about £300.

16.—**SHEFFIELD** (near).—Light Mixed Country Retail; returns £650; poor opposition; good house; price £250, or valuation.

17.—**KENT COAST.**—Light Family Retail and Dispensing; returns £900; net profit £230; central position; price £500, or valuation.

18.—**SURREY.**—Unopposed good-class Village Business; returns over £500 under manager; low rent; well stocked; price £250.

19.—**WEST MIDDLESEX.**—Light Retail and Prescribing; very few Patents; returns over £450; net profit £190; handsome Pharmacy; well stocked; modern house; price £250, much below valuation.

20.—**LANCS.**—Several small Businesses for Disposal; suit unqualified or qualified; prices from £100 to £300.

21.—**LONDON** (Northern Heights).—Good-class Retail and Dispensing; returns over £1,900; elegantly fitted; splendid stock; price £1,250; personally inspected.

22.—**CRYSTAL PALACE** District.—Good-class Retail and Dispensing; returns £700, increasing; good house, garden, etc.; price £350.

23.—**LONDON, N.W.**—Profitable Cash Retail; returns £8 to £10 weekly; no Patents sold; price £225; trial allowed.

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LONDON, S.W.—Good-class Dispensing and Prescribing, some Dentistry and Photo, no Optics; returns average £800; rent £120; lease 17 years; double-fronted corner shop; well fitted; house, 6 rooms over shop, every convenience, side entrance, small yard; estimated value stock and fixtures £500; price £450.

BATTERSEA.—Death Vacancy.—Recommended; will double itself directly; position excellent; wants younger and up-to-date management; price, value of stock and fixtures only, say £250.

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We call the special attention of our Colonial subscribers to the opportunity this Supplement affords when they wish to dispose of their Businesses, of getting into touch with likely buyers either at home or in the Colonies.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d.

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**CHEL TENHAM** (Inland Health Resort and Educational Town).—For Disposal, good-class Light Retail, Proprietary, Dispensing, and Photographic Business; in central position; modern mahogany mirrored fittings; York glass recessed labelled bottles; gas and electric light; good house, containing dining- and dental-room on ground floor, drawing-room, bath (h. and c.), 5 bedrooms; perfect sanitation; convenient domestic arrangements; private door; price about £750; proprietor wishes to retire from Chemist business after 32 years. Apply, Arthur Hill, Chemist and Dentist, 98 High Street, Cheltenham.

**CITY OF LONDON**.—Small but sound Business, improving, in principal street; handsomely fitted; good stock, soda-fountain; long lease; moderate rent; any reasonable offer entertained. Apply, "Statim" (79/36), Office of this Paper.

**DEVON**.—Good-class Country Retail Business for early Disposal; returns approach £1,000; net profit between £300 and £350; well situated in pleasant market town; very good house and garden; low rent; attractive Pharmacy; exceptionally well stocked; valuation only required, about £850, or near offer. Address, "Devonia" (80/82), Office of this Paper.

**EAST KENT**.—Must be Sold; small Prescribing Business, within easy reach of London; returns close on £300 per annum; good profits; scope for increase; large population; no near opposition; good opening for Dentistry and Optics; owner leaving the trade; rent £24; price, valuation of stock and fixtures, about £100. Apply, 81/17, Office of this Paper.

**GLOUCESTERSHIRE** (Manufacturing District).—Old-established Retail, Dispensing, and Prescribing Business for Sale; returns between £400 and £500; good profits; low rent; advertiser is buying larger business and will accept the first reasonable offer; full investigation invited. Particulars from "Antim" (77/24), Office of this Paper.

**KENT**.—Seaside and Residential; Retail Business for Sale; returns £700; rent free; long lease; good position; profits about £200; no reasonable offer refused. 78/35, Office of this Paper.

**LANCASHIRE**.—Chemist's Cash Retail and Prescribing Business; established 20 years; in splendid position, and with excellent modern dwelling-house; stock and fixtures for sale; rent £40, or lease if desired; steady trade, which might easily be doubled; good reason for disposing to bona fide buyer. Apply, 65/36, Office of this Paper.

**LEEDS**.—Immediate Sale; profitable working-class Business; thoroughly good house and shop, fitted with every convenience; £130 cash or valuation; strict investigation; low rent and expenses; splendid opportunity for energetic man. Apply, 78/26, Office of this Paper.

**LINCS.**—Drug Stores; established 14 years (same hands); no opposition; situated between two off-licensed houses; main street; thickly-populated neighbourhood; splendid chance for pushing man; owner compelled to sell on account of other business; trial if required; rent £22 10s. and rates; house and garden; stock and fixtures at valuation (about £50). "Antipyrin" (78/32), Office of this Paper.

**LIVERPOOL**.—For immediate Disposal, an excellent Business in good middle-class locality; Dispensing, Photography, and little Optics; fine commanding corner shop; electrically lighted; good modern house; returns £750; price for quick sale £450; in present hands 14 years. Apply, "A. H. Jones," Blake & McKenzie, Ltd., Peter's Lane, Liverpool.

**LONDON, N.**—Single-handed Cash Retail Business; best position in Town Hall thoroughfare; returns £680; profits exceptionally good; low outgoings; unique corner for one able to run Specialities; bachelor with business acumen can make a fortune; only valuation terms. Apply, letters only, "Hurried," 31 Milner Square, Islington, N.

**LONDON Suburb**.—Suit beginner; smart Cash Pharmacy; newly established; thickly populated district; good house; low rent; first year's returns over £500; should do £750 this year with good business man and Prescriber; every investigation allowed; price £160; satisfactory reasons for disposal. 74/10, Office of this Paper.

**LONDON Suburb**.—High-class Light Retail, Dispensing, and Photographic Business in main thoroughfare; shop handsomely fitted and well stocked; good opening for Optics; price, valuation of stock and fixtures (about £400); fullest investigation invited to genuine buyer; references required; no agents. "Confidential" (74/6), Office of this Paper.

**LONDON, S.E.**—Chemist; old established; doing £380 under unqualified (has done £700); good Retail and Prescribing; well fitted and fully stocked; splendid opening for Dentistry; lease; 7-roomed house; private entrance; good scope for increase; every investigation invited; about £240 cash. Apply, "Veritas" (77/39), Office of this Paper.

**LONDON, N.**—£150 cash down will secure a sound Cash Retail Business in splendid main shopping thoroughfare; present returns £12 weekly, with scope for increase; shop is handsomely fitted and well stocked; genuine reasons for selling; price £350, of which £200 can remain. "W. H. C." (80/27), Office of this Paper.

**MANCHESTER Suburb**.—Old-established Wholesale and Retail Chemist's Business for Sale; turnover £2,000; can be doubled; splendid position in leading thoroughfare; valuation of stock and fixtures, about £500; rent £60; fullest investigation. For further particulars apply, Greenhalgh, Sharp & Co., Incorporated Accountants, 30 Brown Street, Manchester.



## BUSINESSES FOR DISPOSAL

(continued.)

**MANCHESTER** District.—Old-established Business; returns over £600; in main thoroughfare; handsomely-fitted corner shop; at present under management; price less than valuation; owner having taken larger business in the South, will sacrifice for quick disposal. Particulars on application, 78/5, Office of this Paper.

**MIDDLESEX**.—Light Retail, Prescribing, and Photographic Business; well fitted and fully stocked; returns last year £516, increasing; good position; double fronted, large, convenient house; rent £40; price £275 or valuation; no reasonable offer refused; fine opening for Dentistry. Full particulars apply, "Traveller," 20 Dean Road, Whitton Park, Hounslow.

**MID-DURHAM**.—Chemist, Druggist, and Grocery Business (in bankruptcy) for Sale as going concern. Apply, Thos. H. Taylor, F.S.A.A., Trustee, Kingsley Chambers, Bishop Auckland.

**N.E. LONDON**.—Well fitted and stocked Pharmacy; excellent opening for Photography, Optics, and Dentistry; price £150; satisfactory reason for selling. Apply, "Charta" (75/6), Office of this Paper.

**SOUTH**.—Unopposed, old-established, large Village Business for Disposal; Retail with good Prescribing; splendid profits; suit qualified or unqualified; convenient house; large garden; rent £54; price about £200 cash; genuine reasons for selling. "Sig" (75/29), Office of this Paper.

**SOUTHPORT**.—Retail Chemist's Business; recently established; Eastbank Street (leading thoroughfare); £125 to immediate purchaser, less than value of stock and fixtures; exceptional chance for man with small capital and up-to-date Store experience; good opening for Dentistry; satisfactory reason for disposal. Full particulars from Smith, 64 Manchester Road, Southport.

**WEST COUNTRY**.—Small Business for Disposal in market town; good chance for Store man with Agricultural experience; returns last year £350, increasing; cash price £175. Full particulars, "Country" (75/24), Office of this Paper.

**WORCESTERSHIRE** (on the Banks of the Severn).—An old-established Business for Sale; owner retiring; same hands 21 years; good Photographic connection; studio attached; large house and double-fronted shop; best position in main street; charming health and pleasure resort; price £250, or valuation. 74/9, Office of this Paper.

**YORKSHIRE, WEST RIDING**.—Excellent chance of acquiring a Business; splendidly-fitted shop in populous neighbourhood; will sell at valuation of stock and fixtures, or reasonable offer would be entertained; satisfactory reason for disposal. Apply, "Budget" (77/26), Office of this Paper.

**A HIGH-CLASS** unopposed Country Business within 30 miles of London, situated in very best position among best people; rent only £17, the rest being well let off; good long lease; returns under management £600, and increasing regularly every month; excellent opportunity for increase; well-stocked and well-appointed shop; it must be sold owing to vendor's ill-health; price about £500. "Statim" (79/30), Office of this Paper.

**CHEMIST and Wine Business** for Sale owing to death of proprietor; established 20 years; good Family Drug Business; splendid Business for an energetic person. For further particulars apply to A. Hall, 123 Chillingham Road, Heaton, Newcastle-on-Tyne.

**DISPENSING and Photographic Business** in Midlands doing £15 per week; good corner shop and house in main street; few Patents; well stocked; price £500. "H. H." (81/16), Office of this Paper.

**EXCEPTIONAL** opening for Chemist; rapid-rising district, near London; no opposition; splendid opportunity; also a well fitted and stocked shop; fine position; low price. Call or write to H. Whyte & Co., "Medical Transfer Agents," 10 Duke Street, Adelphi, London, W.C.

**FIFTY** guineas; cheapest Business worth having ever advertised; position equal to the best anywhere; practically unopposed; dense population, including considerable number good-class families; aged vendor's health compels sale; younger man adopting energetic modern business methods must do well; rent 15s. shop and parlour; undeniable Dentistry opening; N.W. suburb; marketing position. 68/15, Office of this Paper.

**FIRST-CLASS** Retail and Dispensing Business, within 30 miles South of London, on main line; returns approach £1,300; no Store competition; net profit £434 (proof given); modern Pharmacy, handsomely fitted and well stocked; splendid position; good residence attached; price £1,200; valuation terms entertained if preferred. "H. H." (80/28), Office of this Paper.

**GENUINE**, increasing, old-established Business at a great sacrifice; rent low; capital position in popular market; average net profit £130, and in addition rooms over shop let off 6s. 6d. per week; good garden; private entrance; great scope for up-to-date man. 80/36, Office of this Paper.

**MUST** be Sold owing to ill-health of vendor; small profitable Business in main road; splendid opportunity for energetic man; low rent; price, including stock, mahogany fixtures, counter-cases, etc., £100, or for valuation stock and fixtures. Moore, Chemist, New Southgate.

**OLD-ESTABLISHED** Chemist's and Dispensing Business (to which is attached and worked under same roof a small Wine Business which will be included) for Sale; in same family for many years; well situated in good town about 20 miles from London with 12,000 inhabitants; average returns (including both) £1,800; good profits, capable of considerable extension; excellent shop and house; moderate rent; satisfactory reason for selling. Apply, "X. Y. Z.", c/o Mussett & Pedler, Stationers, Gt. Thurstle, Holborn, W.C.

**OLD-ESTABLISHED** Business (Yorkshire), in thickly-populated district; Family trade; good profits; stock £80; fixtures, etc., £70; stock reduced to suit purchaser if required; returns £10 under unqualified; rent and rates £25; splendid opening for young, energetic man; net profit £2 10s.; price £150; good house; trial allowed. "Opening" (78/24), Office of this Paper.

**OLD-ESTABLISHED** Chemist's Business for Sale; double-fronted shop, well fitted; good workable stock; main thoroughfare; no opposition; surrounded by large population; opening for Side-lines; excellent opportunity for energetic man; part can be paid by instalments if necessary; cause of selling death of proprietor. Write 80/31, Office of this Paper.

**RETURNS** £500; newly-established Suburban Business in Yorkshire City; prospects exceptional; little opposition; rent low; good opening for Photography; price, valuation of stock and fixtures; full investigation. "Z." (78/8), Office of this Paper.

**SMALL** Branch Business for Sale, cheap, in Rotherham, with house attached; easy rent; capable of extensive increase; very good fixtures and fittings and excellent window. For full particulars apply, S. P. Billington, 79 Midland Road, Masbro'.

**SPLENDID** opportunity for securing a really fine, genuine Business; returns last year over £1,300, and still increasing; house of 8 rooms, all recently redecorated, side door and nice garden; low rent; valuable lease; exceptionally good profits; commanding position in London suburb; best class. 78/3, Office of this Paper.

**TO** Chemists.—One of the finest openings occurs owing to the illness of owner; rent £36; 6 rooms, garden; no opposition; immense medium-class neighbourhood, situated West; price £60, stock included; bargain; fortune to good man. Call, James, 176 High Street, Acton.

**£65**; part can remain; owner taking larger business; exceptional bargain; stock and fittings valued £150; cash business; suit qualified or unqualified; established about 5 years; strictest investigation; £6 to £7 weekly; good Prescriber could double; fittings belong advertiser; lease; Photography and Dentistry opening; lock-up; parlour; 15s. 6d., no taxes. "Chemist," 41 Bickerton Road, Highgate, London, N.

**£250**.—For immediate Sale owing to owner taking partnership in large business; a nicely fitted Pharmacy; well stocked; in rapidly growing W. London suburb; large modern house and garden; held on lease; rent £45; gross profit £240. "Chemist," 6 Western Promenade, Hounslow.

**£600**; old established Dispensing and Photographic, with country town, within easy distance of London; large house and well-stocked garden; no dealers. 80/13, Office of this Paper.

**£750** Returns.—Good-class Family Retail, Drugs, Photographic, and Prescribing; thickly populated and yet open and healthy suburb; elegantly-fitted shop and modern, comfortable house; long lease at low rent; few Patents; leaving net profit £250; improving neighborhood and increasing trade; price £500. Apply, 77/25, Office of this Paper.

## AGENCIES.

**CANADA**.—The Coming BOOM.—Now is the time for MANUFACTURERS to obtain a footing in Canadian markets; a GENTLEMAN with many years' experience, and on BEST TERMS with all principal BUYERS in CANADA, U.S.A., and MEXICO, is about to start on his annual six to nine months' visit to these countries, and wishes to REPRESENT ONE or TWO additional FIRMS on equitable terms; large turnover assured. Address, "L. Z.", c/o J. W. Vickers & Co., 5 Nicholas Lane, London, E.C.

**AGENCIES** wanted for Australia and New Zealand.—The advertiser, who will arrive in London on or about June 20, has experience of over 15 years in the Agency business in the above Colonies, and is well known to all buyers; references given; advertiser will be pleased to call by appointment. "Australasia" (63/63), Office of this Paper.

**AGENCY**.—Travellers calling upon Doctors wanted to Represent, as a Side-line, an improved system of Medical Accounts; state London or provinces. Address, 73/26, Office of this Paper.



## BUSINESSES WANTED.

**ADVERTISER** is open to purchase a sound Retail Business, or would consider Partnership offer; Lincolnshire district preferred. Replies, in strictest confidence, to "Kemius" (74/8), Office of this Paper.

**PHARMACIST** requires a good sound Agricultural Business with scope for Photo and Optics and Veterinary preparations; must have good house and garden; managership with view to succession entertained, or sleeping Partner, or information of any country town or village requiring a Chemist; Sussex preferred, but not essential. "Urgens" (80/6), Office of this Paper.

**WANTED**, a good-class Business; London suburb or the country; returns from £750 to £1,500. "B. C. G." (75/30), Office of this Paper.

**WANTED**, immediately, by a Surgeon, a small Prescribing Business, which must be capable of increase and suitable for an open Surgery; South of England preferred, but not essential. Give full particulars and state price to 78/2, Office of this Paper.

## FOR SALE.

**BLANDFORD**, Dorset.—Chemist's Stock and Shopfittings for immediate Sale, through death. Apply, Senior, Godwin & Young, Auctioneers, Blandford.

**PLATE-GLASS SHELVES** for Window, good Second-hand.—1 set 3 ft. long, with standards and brackets, 30s.; 1 set of ditto, 4 ft. long, ditto, 42s.; 1 set of ditto, 5 ft. long, ditto, 55s.; 1 set of ditto, 6 ft. long, ditto, 63s.; 1 4 ft. 6 in. Bent Front Counter Case, 75s.; 1 6 ft. Dispensing Screen with mirror centre, £4 10s.; 120 Recess Label Rounds, £8 10s.; 12 doz. Gold-labelled Rounds, £5 15s.; 12 3-lb. Blue Recess-labelled Ointment Jars, 48s. R. Tomlinson & Sons, Bond Street, Birmingham.

**SALE**.—Contents of large Chemist's shop; mahogany 13 ft. 9 in. drawers with glass knobs, shelving, cornice; 13-ft. counter, marble top; glass dispensing-screen. Ramsden's, 118 High Street, Gillingham, Kent.

**SOLID Mahogany Fittings** (by Mills), comprising 18-ft. wall fixture (as Maw's 2704), with two mirrors; 6-ft. dispensing-counter (as Maw's 2720), with sponge-case below mirror; 8-ft. mahogany, plate-glass counter, upright perfume-case; 14½-ft. cornice, with shelving for back wall, cupboard underneath; no reasonable offer refused. Robbins, Bexhill.

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16 PARK STREET, STOCKPORT.  
MONDAY, JUNE 21.

**JOHN BATEMAN**, under instructions from Mr. Goodwin, will **SELL BY AUCTION** the **STOCK-IN-TRADE, FIXTURES, and TRADE UTENSILS** of an old-established Herbalist, consisting of Herbs, Roots, Barks, Extracts, Essences, etc., Enterprise drug-mill, Enterprise tincture-press, coffee-mill, stock canisters, 20 doz. gold-labelled stoppered bottles, counters, 3 nests containing 175 drawers, showcases, glazed cupboard, etc.

Sale at 2 o'clock.  
For further particulars apply to the Auctioneer, 26 St. Petersgate, Stockport.

### LEOMINSTER.

Desirable and exceptionally well-situated Business Premises, No. 2 High Street, Leominster.

**TO BE SOLD BY AUCTION** by Messrs. A. & D. Edwards, at The Royal Oak Hotel, Leominster, on FRIDAY, June 25, 1909, at 5.30 P.M. punctually, subject to Conditions of Sale.

**A MESSAGE SHOP and PREMISES**, No. 2 High Street, Leominster, adjoining the Town Hall, and having a frontage of 22 ft. 8 in. to High Street, with a depth of 75 ft. 6 in., with large and convenient Warehouses and Cellars.

The Premises are now in the occupation of Mr. R. B. Sandiland, Chemist and Druggist, under a lease which expires on September 29, 1910, at the annual rent of £50. These premises have for upwards of 50 years been used in this business, and offer an excellent opportunity of securing an old-established and flowing business.

The Town Council of Leominster are the owners of the Vault which opens from High Street, and the Coal Cellar at the rear thereof, and they are now occupied with the above premises, at a yearly rental of £2, which is paid by the Vendor.

Further particulars may be had of the Auctioneers, Corn Exchange Offices, Leominster, or of Messrs. Lloyd & Son, Solicitors, Leominster.

## SITUATIONS OPEN.

3s. 6d. for 50 words or less; 6d. for every 10 words beyond, prepaid.

**RESULTS**  
OF ADVERTISING IN THIS SUPPLEMENT  
LAST WEEK *June 5 1909*

NATURE OF ADVT.	REPLIES
QUALIFIED MAN	60
MANAGER	55
UNQUAL. MAN	43
TRAVELLER	32
COUNTER MAN	31
QUAL. MANAGER	18

This Blackboard demonstrates that Advertisers using these columns get a ready response to their announcements. The figures only refer to some of the letters RECEIVED AT OUR OFFICE on behalf of advertisers who use a number or nom de plume.

### RETAIL.

**ARUNDEL**.—Gentlemanly Assistant wanted in a Light Retail and Dispensing business; indoors; about 21; half-day off weekly; no Sunday duty. Send photo and all particulars to J. Bailey, Chemist, Arundel.

Replies to Advertisements may be addressed to this Office and forwarded to the Advertiser for an additional charge of 6d. Trade circulars and samples can in no case be forwarded.

**BIRMINGHAM**.—Competent qualified Assistant (indoors) for first-class Retail and Dispensing business; of good address. Reply, enclosing carte, with full particulars, T. Chase, Pharmaceutical Chymist, Edgbaston, Birmingham.

**BIRMINGHAM**.—Junior; must be good Counterman and Dispenser and accustomed to good-class trade. Apply, giving full particulars of age, height, experience, salary required (outdoors), to Hedges & Son, Pharmacists, Birmingham.

**BOMBAY**.—Wanted, qualified Assistant, under 25 years of age; passage P. & O. paid out and home; salary first year £172, second year £192, third year £212 per annum; 3 years' agreement certain. Apply, with photo and copy testimonials, to "R. L." c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

**CALCUTTA**.—Wanted, qualified Assistant for Calcutta; passage paid out and home. For particulars apply to 58/7, Office of this Paper.

**CAPE COLONY**.—Qualified Assistant; about 26; 3 years' agreement; salary £180 first year, £192 second year, £204 third year; second-class passage paid out. Apply, with photo and copies of testimonials, to "R. L." c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

**CHESTER**.—Wanted, immediately, qualified Junior with good Dispensing experience. Apply, stating age, height, references, salary required (indoors), with photo, to Thos. Carter, Pharmaceutical Chemist, Boughton, Chester.

**CLACTON-ON-SEA**.—Competent Assistant, at once, also a Junior, for the season; knowledge of Photography desirable. Apply, with full particulars, salary required, and enclose photo, to W. Mann, Chemist, Clacton-on-Sea.



# SITUATIONS OPEN *(continued.)*

**CORNWALL.**—Qualified Assistant wanted to manage and work up a newly-opened branch; no evening duty; live outdoors; good salary to suitable man who possesses good references. Blamey, Pharmacist, Falmouth.

**DERBY.**—Wanted, at once, for a month, Junior Assistant; qualification not essential. Please state age and salary required (indoors), to H. Monkhouse, Pharmacist, 21 Iron Gate, Derby.

**EDINBURGH.**—Inman's Stores, Ltd., 48 Shandwick Place, have vacancy for Assistant used to quick Cash business. Send full particulars of experience, with references and when at liberty.

**EXETER.**—Messrs. Broom, Reid & Co. require Assistant (about 25) as Dispenser; outdoors; must have had previous experience in first-class Dispensing establishment and be of good address. State all particulars, salary required, and enclosing photo, to Mr. Reid, 2 Queen Street.

**FELIXSTOWE.**—Immediately, 2 Assistants for season, one qualified, in or out doors, in high-class Dispensing and Photographic business. Usual particulars to H. F. Douthwaite (late Pain & Bayles), Felixstowe.

**FULHAM, S.W.**—Qualified Manager, to live on premises, for working-class Retail. Personal application preferred, or, if by letter, state age, married or single, experience, and references and salary required, to C. Bunker, 30 York Street, Twickenham.

**GRANGE-OVER-SANDS.**—Wanted, early in July, Assistant for season; accustomed to Dispensing, Photographic, and General Retail. State full particulars of qualification, with salary (outdoors), to A. W. Hankinson, Chemist, Grange-over-Sands.

**HARWICH.**—Assistant for end of June; reliable and good Counter-man; knowledge of Photography preferred. State salary, in or out doors (comfortable home), age, and references, Bevan, Pharmacist, Harwich, Essex.

**LIVERPOOL.**—Qualified Assistant wanted, immediately, to take charge of Branch; must be steady and reliable. S. Stephenson, F.C.S., Pharmaceutical Chemist, 98 Kensington, Liverpool.

**LONDON, S.W.**—Dispenser required; qualified, Minor exam.; outdoors; usual hours, 9 to 7; high-class Dispensing. Apply, by letter, stating experience and salary expected, "Chemist," Civil Service Co-operative Society, Ltd., 28 Haymarket, S.W.

**LONDON, S.W.**—Wanted, at once, qualified Manager for small Branch business; Retail, Prescribing, and Photographic; small house; middle-aged man not objected to if active. Apply personally, or by letter with full particulars, to Enness & Co., 91 High Street, Wandsworth, S.W.

**LONDON, N.**—Manager for Branch wanted at once; married preferred; not over 30; energetic and willing worker; house free, with salary and commission, situate near Victoria Park, in residential district. Full particulars in first letter, with photo, to Wells Wood, 92 Green Lanes, London, N.

**LONDON, N.W.**—Wanted, at once, Senior Assistant; good Dispensing experience essential; indoors; weekly half-holiday. Apply, C. A. Noble, 110 Mill Lane, West Hampstead.

**LONDON, S.W.**—Junior; 23 or 24; indoors; qualified preferred; good Dispensing experience necessary. Apply personally, or by letter giving particulars and enclosing photo (to be returned), Beddard, 46 Churton Street, London, S.W.

**LONDON, N.W.**—Wanted, an Assistant; outdoors; must have had good Dispensing experience. Please state age, height, experience, and salary expected (photo if convenient), Davies, 567 Finchley Road.

**LONDON, S.W.**—Wanted, at once, a qualified Assistant (about 24), for high-class West-end business; good Dispensing experience. Apply, giving full particulars as to age, salary, etc., also photo (to be returned), to "D. M." (77/34), Office of this Paper.

**LONDON, N.E.**—Smart Dental Operator and Mechanic to continue Dentist's business over Chemist; mutual terms can be arranged; big scope. 79/35, Office of this Paper.

**LONDON (City).**—Wanted, at once, young qualified Assistant until end of September; easy hours; no Sunday duty; outdoors. Apply, R. Howden, "International Chemist," 28 Gracechurch Street, E.C.

**LONDON, S.W.**—Immediately, Assistant for quick Cash business; outdoors; hours 8.30 to 9, one afternoon and evening from 2. Apply, Bruce's, Ltd., 308 Earl's Court Road (near Earl's Court Station).

**LONDON, W.**—Wanted, a Junior, indoors, in a Dispensing and Family business, at once. Apply, stating particulars, Adams, Chemist, 21 Formosa Street, Maida Vale, London, W.

**LONDON, S.E.**—Junior Assistant required for Cash and Photographic business; no Sunday duty; off alternate Thursdays 2 and 5. State age, references, height, salary (outdoors), and say when disengaged, Hooper's Drug-stores, Ltd., 59 High Street, Peckham.

**LONDON, W.**—Qualified, gentlemanly Assistant; aged 22 to 25; indoors; good-class Dispensing; vacant June 25. State salary and usual particulars, Harding, The Avenue, West Ealing.

**LONDON, S.W.**—Unqualified Junior for high-class Retail and Dispensing; outdoors; hours 9-8, and one-third of evening and Sunday duty; half-holiday weekly; under 25. Prichard & Constance, 64 Haymarket, S.W.

**LONDON, S.W.**—Required, immediately, Dispenser with Minor qualification; outdoor engagement; about 25 years of age; not required to Dispense at the Pill-counter. Applicants to furnish particulars of experience and salary required, 1100, Sell's Advertising Offices, Fleet Street, London, E.C.

**LONDON, S.W.**—Required, man (young) with knowledge of Proprietary Articles and Druggists' Sundries. Apply, giving particulars and salary required, 1059, Sell's Advertising Offices, Fleet Street, E.C.

**LONDON.**—Active Assistant wanted for Stock and Photographic; must be quick, neat, and accurate worker; brisk Store trade. Reply, giving age, height (no objection to short man), salary required, with recent reference, to 80/19, Office of this Paper.

**MALVERN.**—Qualified Assistant; accustomed to best-class Retail and Dispensing. Please state full particulars as to previous experience, salary required (indoors), etc., to A. Mander, The Belle Vue Pharmacy, Malvern.

**MARGATE.**—Assistant, outdoors, in old-established Dispensing business, accustomed to Dispensing; courteous and obliging. State if qualified and usual particulars as to age, height, and salary required, with photo, Wootton & Son, High Street, Margate. Gentlemen receiving no reply within 48 hours respectfully declined.

**NATAL.**—Messrs. Turner & Co., Maritzburg, require qualified Assistant; young man; good appearance, good manner, industrious; knowledge of Photo goods, Window-dressing; one who has had experience in good business in provincial town preferred; 3 years' agreement to be signed; second-class passage paid; salary £15, £16, and £17 for first, second, and third years respectively. Apply, with full particulars, to T. & Co., c/o J. Murdoch & Co., 52 Leadenhall Street, E.C.

**OLDHAM.**—Wanted, qualified Assistant; outdoors; state age, height, experience, references, and salary required, with photo. Address, 78/6, Office of this Paper.

**PORT ELIZABETH.**—Wanted, a qualified Assistant (about 25) to Manage branch; must be a good and reliable man; 3 years' agreement; salary £180 first year, £192 second year, £204 third year; second-class passage paid out. Apply, with photo and copies of testimonials, to "R. L.," c/o S. Maw, Son & Sons, 7 to 12 Aldersgate Street, E.C.

**PRESTON, LANCS.**—Unqualified Assistant wanted, at once, for good-class business; must be capable Dispenser and have knowledge of Photography. State age, experience, salary required, height, and enclose photo to Tomlinsons, 28 Fishergate, Preston.

**RANGOON.**—Qualified Assistant wanted; about 23 years of age; good Dispenser; Store experience desirable; abstainer essential; salary £200 per annum, with annual increments of £25; passage paid out and home; agreement for 4 years to be signed. Apply, by letter, to May, Roberts & Co., Ltd., 7, 9, and 11 Clerkenwell Road, London, E.C.

**ROYAL SURREY COUNTY HOSPITAL, Guildford.**—Male Dispenser wanted; salary £120; candidates must be willing to devote their whole time to the duties, must possess the Pharmaceutical Society's qualifications, and be able to manufacture preparations. Applications, stating age and experience, with copies of not more than three recent testimonials, to be sent to me at the Hospital not later than Wednesday, June 16, 1909.

W. T. Patriek, Assistant Secretary.

**SOUTH OF ENGLAND.**—Smart, gentlemanly Assistant required; aged 23 to 30; good salary and permanency for suitable man; must possess exemplary character for honesty, sobriety, and ability as a Salesman. Timothy White Co., Ltd., Portsmouth.

**STOKE NEWINGTON.**—A Manager to conduct an old-established Family business on personal lines; house above premises; must have exceptional references; good terms to good man, not necessarily qualified. Full particulars in first letter (in confidence), 78/03, Office of this Paper.

**TAUNTON.**—Assistant wanted for 3 months to help over holiday season; indoors; unqualified. Apply, with full particulars, to Gregory & Wreun, Chemists, Taunton.

**VENTNOR.**—Junior leaving apprenticeship or qualified lady required, immediately; good-class Retail and Dispensing; knowledge of Photography essential; another assistant kept through summer months; indoors. Usual particulars, Dunning, Ventnor.



**WISBECH.**—A reliable Assistant for a Country Retail; hours 8 till 8, Wednesday 1, Saturday 10; no Sunday duty; outdoors; must have good references. Oldham, Chemist, Wisbech.

**A SMART** qualified Assistant for a good-class Family and Dispensing Suburban business; Photographic experience desirable; board in, bedroom found out. Apply, with full particulars, to "Salol," c/o Willows & Co., 40 Aldersgate Street, E.C.

**ASSISTANT**, about 23 to 25, capable of pushing and increasing quiet country branch; easy hours; good chance for gentleman studying for Minor; work light; salary strictly moderate; Western County; must be fair Prescriber and Counterman. Full particulars, including age, height, salary required, and enclose photo, "Aldehyde" (75/22), Office of this Paper.

**CHEMIST**, qualified (lady or gentleman), wanted to Manage our Port-Glasgow branch; hours: 10 A.M. till 9 P.M. daily, Saturday till 10.30 P.M., cash alternate Sunday duty; state age, reference, height, and salary expected. Apply, MacNaught Bros., Greenock.

**DAVIES & JOHN**, Chemists, Bath, require the services of a qualified Assistant, not over 24, to keep stock and assist in Dispensing; first-class experience and references essential. Applicants will please give full particulars of experience and salary required.

**DISPENSER** wanted for small Hospital; fully qualified; good references; live out; salary £55, or by arrangement; few hours daily only. Apply, "Secretary" (73/16), Office of this Paper.

**FOR** first-class Dispensing business in the Midlands; qualified Assistant of good experience and address. Apply, with particulars of salary required, etc., 70/21, Office of this Paper.

**JUNIOR Assistant**. State age, height, salary (indoors), when disengaged. 77/15, Office of this Paper.

**JUNIOR Assistant**, at once, in Mixed Country Retail; hours 8 to 7.30, Saturdays to 8.30, no Sunday duty; outdoors; applications must be accompanied by reference to last employer; testimonials not accepted, and will not be returned. State remuneration to F. E. Rookledge, Chemist and Newsagent, Easingwold.

**LEWIS & BURROWS** have vacancies for good qualified and unqualified Assistants. Application to be made by letter only to 146 Holborn Bars, E.C.

**MANAGER** (elderly) wanted for Yorkshire, must be a fully qualified Chemist, to take entire management of business. Apply, in writing, "L. B." (73/27), Office of this Paper.

**MANAGER**; qualified; Holborn branch; £3 per week; young, active; good Window-dresser preferred. Bewell's, 19/21 Pitfield Street, N.

**MANAGER**, qualified, young, with energy, capable of pushing business; Store lines; permanency; proprietor qualified, appreciates efforts and pays accordingly. State full particulars first letter, "London Suburb, N.E." (78/30), Office of this Paper.

**QUALIFIED** required, chiefly for Dispensing; in high-class business; seaside; permanency; must have had some experience in Dispensing; hours 9 to 8, 2 hours' Sunday-duty. Full particulars to 75/7, Office of this Paper.

**QUALIFIED Assistant** required; one with a knowledge of Welsh preferred; indoors. Apply, "Welsh," Evans Sons Leseher & Webb, Ltd., 56 Hanover Street, Liverpool.

**QUALIFIED Assistant** to sleep in and live out; accustomed to first-class Dispensing. Full particulars apply, "B." c/o Davy Hill & Co., 64 Southwark Street, S.E.

**QUALIFIED Junior Assistant**, (outdoors) for a good-class Suburban business; off once weekly at 2. State age, height, experience, and salary expected, enclosing photo if possible, Matthews & Son, Chemists, 722 High Road, Leytonstone, N.E.

**QUALIFIED Assistant** wanted for responsible position in good Dispensing business. Please state age, height, full particulars as to previous experience, and enclose photo (to be returned), 76/26, Office of this Paper.

**RELIEF.**—From about 1 to 10 on Thursdays and 6 to 10 alternate Sunday evenings; qualified preferred; also Locum (outdoors), from July 17 to July 31; hours 8.30 to 10, Saturday 12 P.M., Sundays 6 to 10; good references necessary. "Pharmacist," 189 High Street, Deptford.

**UNQUALIFIED**, for first-class Retail and Dispensing business; indoors; must be well recommended and have had good Dispensing experience. Apply, stating salary expected and full particulars, enclosing photo if convenient, to Pain & Powell, Chemists and Opticians, Sevenoaks.

**VACANCIES** for qualified Assistants, owing to shortly opening several new Branches on South Coast; progressive salaries to gentlemen with ability. Timothy White Co., Ltd., Portsmouth.

**WANTED**, at end of month, qualified Manager; young; single; salary 50s. (outdoors); must have one year's reference. 76/20, Office of this Paper.

**WANTED**, a qualified Assistant; outdoors. Apply, giving full particulars, to D. P. Roberts, Chemist, 120 North End, Croydon.

**WANTED**, a qualified Branch Manager; abstainer preferred; must be a smart Counterman and used to Store trade; half-day and no Sunday duty; wages 50s. Apply, with references, to Griffiths, Chemist, Droylsden.

**WANTED**, Assistant (outdoors) as first hand; two kept; must have passed Preliminary and be good Dispenser. State age, height, experience, if married or single, when disengaged, and salary required (not to exceed 35s.), Francis T. Sanders, Chemist, Sattou, Surrey.

**WANTED**, an Assistant, about 23 to 25 (qualified), for Dispensing business. State age, height, salary (indoors), when disengaged, experience if Dispensing and Photography, names of two last employers, and time with each. 77/51, Office of this Paper.

**WANTED**, immediately, qualified Assistant of good appearance and address; very comfortable berth. State age, whether married, and when at liberty, 78/1, Office of this Paper.

**WANTED**, smart, young, qualified Assistant as First Counterman in high-class West-end Store Chemist's; excellent experience and references required. Write, "Mayfair" (80/5), Office of this Paper.

**WANTED**, a Junior Assistant for the river season; good-class Retail, Dispensing, and Photographic; indoors; unqualified. 80/103, Office of this Paper.

**WANTED**, unqualified man as Manager for Drug-stores in small Lancashire manufacturing town; must be sober, active, obliging, and perfectly trustworthy, and must have a thorough knowledge of the Drug trade and must not object to long hours; good wages to the right man. Apply, at once, stating full particulars, age, height, experience, wages required, married or single, and photo if possible, also a copy of at least two recent bona fide testimonials (which must bear investigating), to "Drug-stores" (70/73), Office of this Paper.

**WANTED**, soon, steady Pharmacist in small Mixed country business; Photographic work; comfortable home; easy hours. Mrs. Davis, Lechlade.

**WANTED**, by Doctor, Dispenser (Apothecaries' Hall qualification); must be thoroughly honest, abstainer, quick at his work, and good at Bookkeeping. Reply, stating age, references, salary, experience, to "Doctor," 178 Horninglow Street, Burton-on-Trent.

**WANTED**, immediately, qualified Assistant, single, in a town near London; comfortable quarters found; very easy berth. Apply, with fullest particulars, to "Chemists," c/o Messrs. Davy Hill & Hodgkinsons, 64 Park Street, Southwark, S.E.

## WHOLESALE.

**DRUG Warehouse**, Yorkshire, require man to make Cough Balsams, Head-powders, etc., Gums, Cerate, etc.; take charge. State age, wage, copies testimonials, and list of articles previously made and every particular in first letter, 72/8, Office of this Paper.

**EXPERIENCED** young man wanted for Druggists' Sundries Warehouse; wages 12s. Full particulars, "A. B." (69/18), Office of this Paper.

**EXPERIENCED Clerk**, capable of taking charge of office staff, required for Manufacturing Chemists' City office; a good post for the right man; only those with ability and first-class references need apply. Applicants must give full particulars of experience and state salary required to "C." (81/5), Office of this Paper.

**GENTLEMAN** with good experience and connection among Doctors, Institutions, etc., to sell Speciality, described by the Medical Press as superior to all existing preparations; commission basis preferred. State previous experience, age, terms, to 70/53, Office of this Paper.

**INVOICE Clerk.**—Opening occurs in Wholesale house for a smart young man, about 22, with previous experience in the trade; good and quick writing essential. State commencing salary required and fullest particulars to 70/49, Office of this Paper.

**JUNIOR Assistant** required by a City firm of Manufacturing Chemists; Minor qualification; gentlemanly appearance and good address. Apply, stating age, salary required, and when disengaged, to "This" (72/21), Office of this Paper.



**LABORATORY.**—Wanted, for South Africa, an unmarried man, able to prepare all the ordinary Galenicals and B.P. Preparations and experienced in standardising; passage paid out; 3 years' agreement; salary commencing at £168 per annum and rising annually for 3 years. Apply, by letter only, "E. B. R.," 10 Northumberland Avenue, Wanstead Park, London, E.

**REQUIRED,** a Mechanic; one used to a Tabletting Machine preferred. Apply, "B.," 76 Outwoods Street, Burton-on-Trent.

**TRAVELLER** required to call upon Hospitals, Infirmarys, etc.; London and district; must have previous experience; one line only, the best on the market. Address particulars of experience, age, salary required, to 70/503, Office of this Paper.

**TRAVELLER** for Northern Counties and Midlands, calling upon Chemists and Wine and Spirit Merchants; salary and expenses; none but first-class men need apply. State age, experience, references, salary required, and when at liberty. Apply, first by letter, to B. Robinson & Co., Ltd., Pendleton, Manchester.

**TRAVELLER,** with first-class experience and connection in Southern Counties, required by a London firm of Wholesale Druggists. Apply, stating age, experience, etc. (which will be treated confidentially), to 72/12, Office of this Paper.

**TRAVELLER** wanted, at once, by a manufacturer to sell an advertised Patent Medicine; must be experienced in this line; write, stating age, experience, and references; state salary expected. Apply "H.," c/o Paul E. Derrick, Advertising Agency, Norfolk Street, Strand.

**TRAVELLERS** required, on commission, calling on Mineral-water Manufacturers, Brewers, Sauces, Cider, and Jam Makers, with a product which commands a large sale; good men only need apply; districts open: London, Lancashire, Midlands, Eastern Counties, Dublin, North and West Ireland. Full particulars, by letter, to "Kranite," 18 Old Swan Lane, E.C.

**WANTED,** Traveller for London and South to take up new Toilet preparation as a Side-line; good commission to suitable man. Apply (in confidence), Veronique, Ltd., 14/15 Conduit Street, W.

**WANTED,** smart, gentlemanly Representative to call on Doctors, introducing Pharmaceutical Preparations and Surgical Dressings; preference given to young man with a connection; good prospects are assured for energetic and tactful man. Reply, stating previous experience and salary required, to "Medico," c/o Wilson's, 60 Ludgate Hill, E.C.

## TO LET.

**HEALING.**—To Let, on lease, large Shop in the High Street; good business position, in centre of town; containing 9 rooms and basement; rent £95, increasing to £100 per annum. Apply to Harrison & Powell, 5 Raymond Buildings, London, W.C.

**SOUTH KENSINGTON** (main road).—One or two unusually attractive Shops, commanding position in busy shopping centre, to be Let; suitable for Chemist. Apply on premises, 133 Coleherne Court, Old Brompton Road, S.W.

**A SHOP** in best position in a favourable seaside resort in North Wales, to be Let at moderate rent, where there is a specially good opening for a Chemist, where there is none at present. Apply, "A. P.," (76/38), Office of this Paper.

**RENT** £40; corner double-fronted Shop; in established and growing neighbourhood; suitable for Chemist; opening for post-office. Apply next door, 2 Demesne Road, Wallington, Surrey.

**SHOP** to Let; exceptionally good opening for Chemist and Druggist; not another Chemist shop in the road or near; situated 82 Moyser Road, Streatham, next door to Post-office. Apply, H. Thorp, 42 Pretoria Road, Streatham.

**TO** Let, new double-fronted Shop; side entrance; good living rooms; best position main street; close to the noted Naval Collieries; rare opportunity for a qualified Chemist; population 11,000. daily increasing; rent £75. Apply, J. D. Thomas, The Emporium, Penygraig, Rhondda.

## APPRENTICESHIPS.

**TO** Parents and Guardians.—Mr. S. Browning Moss, Pharmacist, West Byfleet, Surrey, has a vacancy for a gentlemanly youth as Indoor Apprentice.

## SITUATIONS WANTED.

1s. for 12 words or less; 6d. for every 10 words beyond, prepaid.

### RETAIL.

**DISENGAGED;** unqualified; several years' experience. R. M. Lelan, 11 Princess Road, Leicester.

**LOCUM.**—Pharmacist; disengaged June 12; town and country experience. Price, Bynamlwg, Crowboro', Sussex.

**MANAGER,** Locum, or Assistant; disengaged; abstainer; 36. 2 Warwick Mansions, Lower Richmond Road, Putney.

**DISPENSER** to Doctor; disengaged morning and afternoon; excellent references. Stovell, 4 Handforth Road, S.W.

**NOTTINGHAM** District.—Assistant (24) desires berth; experienced; reliable. "W. F.," 35 Great Percy Street, W.C.

**DISENGAGED;** London experience; unqualified; 33; Locum, permanency. "Competent," 146 Philip Street, Newcastle-on-Tyne.

**LOCUM** or Part-time; qualified; active, obliging; abstainer; Fridays and Saturdays whole days and any morning free. "Borax," 535 Holloway Road, N.

**BRANCH** Manager or Senior; outdoors; near London preferred; qualified; 26; 7½ years' West-end and other experience. Newson, Uphampton, Shobdon, Herefordshire.

**LONDON.**—Junior wants indoor situation in good-class business; good Dispenser, Photography; satisfactory references; tall; disengaged June 14. "F. L. J.," 19 Rutland Street, Regent's Park, N.W.

**LOCUM;** qualified; 28; Prescriber, Extractor, Photography; Continental; 6 years' continuous experience and references; disengaged 23rd. T. H. Buswell, c/o MacCreath, 7 Aylestone Road, Leicester.

**LOCUM;** 5½ years' first-class experience. "Dispenser," 35 Lisle Street, Leicester Square, W.

**LOCUM;** qualified; good references; few dates vacant. The Gables, Verner Road, Sydenham.

**LOCUM** (30), qualified, or Manager; disengaged; references. "L.," 161 Stoke Newington Road, N.

**PHARMACIST;** 27; Dispensing, Photographic, Optics; London preferred. Davis, 26 Boyne Road, Lewisham.

**SMART,** experienced Assistant disengaged; capable manager; quick trade preferred. Gibbon, 8 Praed Street, W.

**MANAGER,** qualified, with view to purchase, or otherwise; experienced and energetic. 80/20, Office of this Paper.

**JUNIOR** (19), 3½ years' experience, seeks engagement. "W. J. W.," 39 Irene Road, Parson's Green, London.

**DISPENSER;** unqualified; highest references; quick, accurate; thoroughly experienced. "B. C.," 503 Southwark Park Road, S.E.

**MANAGER;** qualified; permanent, Locum, or relief; all-round experience; disengaged. "Statim," 23 St. George's Road, Camberwell.

**LOCUM,** middle-aged and thoroughly competent, is open to fix dates. "Pharmacist," 37 Oaklands Grove, Uxbridge Road, London, W.

**EVENINGS,** Monday, Wednesday, Friday, 7; experienced; Counter, Prescriber, Dispenser; age 31. "Relief," 36 Arthur Road, Holloway, N.



**LOCUM**; qualified; West-end experience. John Hayes, 3 Reginald Terrace, Leeds.

**JUNIOR**; 20; tall; London preferred; disengaged 30th. Jenkins, 16 Llamas Street, Carmarthen.

**UNQUALIFIED**; 36; Extraotor, Prescriber; good references. "F.," 57 Firth Park Road, Sheffield.

**24**; reliable, energetic; unqualified; well recommended. Cook, Methuen House, East Kirkby, Notts.

**LADY**, 5 years' experience, seeks post as Dispenser. Metropolitan Medical Association, Whitechapel Road.

**COMPETENT**, economical Dispenser wants work; London. "Vera," 238 Albion Road, Stoke Newington.

**TEMPORARY** or permanency; unqualified; 49; abstainer; single; 3 years' reference. 183 High Street, Uxbridge.

**UNQUALIFIED Assistant**; 35; Store experience; outdoors; London. "F.," 64 Rossiter Road, Balham, S.W.

**DOCTOR'S Dispenser**; young; unqualified; experienced; references. "Assistant," 56 Lorne Road, Forest Gate.

**ASSISTANT**; aged 27; good Dispenser and Counter hand; unqualified. G. Dickin, The Pharmacy, Sheringham.

**LADY Dispenser**; Doctor or Institution; excellent testimonials and experience. "X.," 40 Mayflower Road, Clapham Road.

**QUALIFIED Locum**; exceptional experience; highly recommended. Jones, 33 Foskett Road, Parsons Green, S.W.

**UNQUALIFIED**; Locum; Dispensing, Photography, General; London experience. "S.," 67 Farringdon Street, London.

**JUNIOR**; 22; disengaged; reading for Minor; 7 years' varied experience. Williams, Snowdonia, Penygroes, S.O., North Wales.

**JUNIOR**; 22; height 5 ft. 9 in.; 3 years' experience; time for study. G. T. Almeroth, Egremont House, Heigham Road, East Ham, Essex.

**LOCUM**; qualified; 26; London and provincial experience; well recommended; disengaged early in July. King, 4 Castle Hill Parade, Ealing, W.

**WANTED**, Managership; outdoors; good-class experience; age 32; abstainer; been in business 5 years. E. W. Rogers, 9 Catherine Terrace, Gateshead.

**WANTED**, situation as Junior; 2 years' experience; Dispensing and Photography; passed Preliminary exam. Write, Flynn, 25 St. Leonards Street, Pimlico, London.

**ASSISTANT**; non-smoker and teetotaler; 23; 5 ft. 9 in.; 8 years' experience Mixed business; disengaged 19th inst.; £75 (outdoors). Wright, 30 West Street, Congleton.

**ASSISTANT**; 10 years' high-class experience; well up in Dispensing; holidays or permanency; good references; disengaged. Tavener, Homeleigh, Essex Road, Stevenage.

**MANAGER**; Minor, and Registered Dentist; upwards of 20 years' excellent experience; Locum or otherwise; Extractions and Impressions. "N. N. B." (20/20), Office of this Paper.

**NOTTINGHAM** (or near).—As Assistant or Locum; accustomed to good-class; excellent references; disengaged shortly. Address, "Lupulum," c/o 217A Ilkeston Road, Nottingham.

**DISPENSER** (lady) disengaged; 3 years' experience; Locum or permanent; Birmingham district preferred; good testimonials. Miss Hill, 29 Frederick Road, Gravelly Hill, Birmingham.

**COUNTERMAN**; energetic and obliging; many years' West-end experience; good Window-dresser; best of references as a really smart Salesman. "Specialities" (75/4), Office of this Paper.

**M.P.S.**; disengaged July 24; outdoors; good experience; Dispensing, Photography; 25; abstainer; Northern Counties preferred. "Pharmacist," 18 Kent Road, Birkdale, Lancashire.

**FRENCH-SPEAKING**, West-end and Continental experience, Salesman, Dispenser, first-class references, studying, desires Part-time engagement; commence at once. Address, F. J. Murphy, 139 Kennington Road, S.E.

**DISPENSER** (Hall); excellent experience and references. 77/38, Office of this Paper.

**LOCUM**, qualified, booking future dates. Whitehouse, c/o Dickerson, Market Head, Derby.

**LADY Dispenser to Doctor**; Hall certificate. Nurse Smith, 91 Vassall Road, Brixton.

**JUNIOR**; 21; disengaged June 14 till August 28; references. Symms, Eaton Hill, Tarporley.

**LOCUM** work required by elderly Chemist; indoors preferred. Apply, 76/23, Office of this Paper.

**WALES**.—Temporary engagements; 16 years' experience. Jones, 7 Dyffryn Street, Pontlloftyn, Glam.

**JUNIOR**; 20; 4 years' good experience; Dispensing and Photography. 77/3, Office of this Paper.

**LOCUM**; London district preferred; excellent references. "Pharmacist" (78/37), Office of this Paper.

**PHARMACIST**; registered; 26; branch preferred. Rees, 126 Thornhill Road, Handsworth, Birmingham.

**MANAGER** or Senior; 27; qualified; excellent experience. Smith, 10 Westend Terrace, Stockton-on-Tees.

**JOHN PYE**, 62 Lynette Avenue, South Side, Clapham Common, late of 25 Josephine Avenue, Brixton Hill, S.W.

**LOCUM**; qualified; references; disengaged until July 3. "A.," 41 Palmerston Road, Sparkbrook, Birmingham.

**AS Assistant**; unqualified; Mixed trade, Prescribing, Extractions, etc. "Beta," 2 Hallfield Road, Bradford.

**ASSISTANT**; 39; experienced; references; disengaged; single; take charge. "Specs," 6 Newland, Northampton.

**MANAGER** or Senior, with view to succession; 33; qualified; good experience. Apply, 77/18, Office of this Paper.

**DISENGAGED** July 8; Junior, Locum, or season; South Coast preferred. W. G. Williams, 1 Broadway, Worthing.

**LOCUM**, well recommended, to manage or assist; disengaged. Wallis, Brooklea, Greasby Road, Frankby, Cheshire.

**ASSISTANT**; qualified; 25; first-class experience; season or permanency. Calderbank, The Lawn, Ambergate, Derby.

**UNQUALIFIED**; good Dispensing, Retail, and Photographic experience; good references. "S.," 46 Talbot Street, Southport.

**JUNIOR** (20), knowledge Dispensing, Photography, desires further Counter experience. Clark, 6 Cherry Street, Birmingham.

**QUALIFIED Locum or Dispenser**; aged 30; disengaged until July 26. Apply, "Radix," 85 Bedford Road, Clapham, S.W.

**ASSISTANT**; unqualified; competent, reliable; good references; Locum, permanent. "H.," 91 Goldsmith Street, Nottingham.

**MANAGER**; qualified; middle-aged; good General experience; Prescriber; permanency or, in meantime, Locum. "W.," 285 Mile End Road, E.

**MANAGER**; qualified; 36; excellent experience, London and provincial; Photography; sound references. "April" (80/15), Office of this Paper.

**PERMANENCY**; 14 years' every experience, London and provincial; highest references; unqualified. "Civility and Courtesy," 274 High Street, Rochester.

**LOCUM**, permanent; West-end experience; 33 years; 6 ft.; good appearance; references excellent; London or Coast; finished Brighton June 21. 78/9, Office of this Paper.

**QUALIFIED**, single man, with good varied experience, desires permanency in a brisk business where all his time would be taken up; disengaged in July. "Interest" (76/30), Office of this Paper.

**ERATED WATERS**.—Young man seeks engagement with Chemist on South Coast; can turn out first-class goods for Retail trade, Syphon Repairs, etc.; abstainer; single; good references. P. Randall, 48 London Road, Horsham, Sussex.



**36;** Drug-store Management; Relief or Assistant; unregistered, but thoroughly trustworthy; managing experience; moderate salary; disengaged July 1. "Prescriber," 5 King Street, Gillingham.

**L**ONDON.—Manager; qualified; London and Continental experience; Pharmacy, Optics, and Photography; disengaged early in July; interview. "Mallotus," 33 Hemberton Road, Clapham Road, S.W.

**M**ANAGER by middle-aged qualified man; permanency or for holiday relief; good references. Address, "W. A.," 186 St. John Street, Clerkenwell, E.C.

**D**ISENGAGED; Locum or permanency; 26; London and provincial experience; highest references. "Aspirin," 11 Ormonde Mansions, Southampton Row, W.C.

**J**UNIOR; 20; 4½ years' good-class experience; time for classes; Manchester or Liverpool preferred; disengaged July 19. C. Monk, 19 Woodbine Road, Burnley.

**B**RANCH Manager; City or near; outdoors; tall; good all-round experience; Photography, all branches; disengaged end June. Mundy, 39 Theobald Road, Leyton.

**U**NQUALIFIED; 21; Counter and Dispensing; abstainer; good references; disengaged; smart, active; London preferred. "C.," 41 Burwash Road, Plumstead.

**M**ANAGER or Locum; qualified; disengaged; best references; good appearance and address; West-end and general experience. "G.," 47 Hugh Street, Victoria.

**D**ISENGAGED week-days till 5, all day Sunday; good London experience; middle-aged; excellent testimonials; Hall qualification. Hall, 55 Lady Margaret Road, N.W.

**S**UMMER Holidays.—Competent Assistant; 28; excellent references; at liberty June 12 to 26; phone 415, Hastings. "Assistant," Grand Parade Pharmacy, St. Leonards-on-Sea.

## WHOLESALE.

**T**RAVELLER, qualified, good connection, requires one or two first-class commissions. "H.," (78/36), Office of this Paper.

**A**SSISTANT (22) wants situation; 8 years' experience in Chemical and Scientific trade. "H. B.," 23 Empress Avenue, Manor Park.

**A**NY department; nearly 10 years' good all-round experience; age 25; excellent references. "London" (79/38), Office of this Paper.

**R**EPRESENTATIVE, Chemists and Doctors, shortly disengaged; good experience; references, etc.; tall, good appearance. 80/26, Office of this Paper.

**T**RAVELLER, experienced, with connection, open for engagement; Drugs, Packed Goods, Specialities; moderate salary. 76/27, Office of this Paper.

**A**DVERTISER wishes to recommend smart youth (19), 3 years in own Retail, for subordinate post in Wholesale. Particulars, Houtton, Chemist, Alfreton.

**A**DVERTISER (29), all-round experience, used to taking charge, seeks situation; good references; moderate salary. "P.," 76 Harcourt Road, West Ham.

**T**RAVELLER (38), 11 years with present firm, seeks re-engagement; sound connection, South, East, and West, and Ireland. Fentiman, 4 Markham Square, S.W.

**T**RAVELLER; 20 years' connection with Pharmacists, Drug-stores, and local Wholesale Druggists; knows all England and Wales; disengaged. 76/31, Office of this Paper.

**E**SSENCE Manufacturing, Mineral-water, and Confectionery Trades.—Mr. A. E. Sprague, late of The London Essence Co., is open for engagement. 27 Beauchamp Road, Lavender Hill, S.W.

**G**ENTLEMAN with good connection South of England, at present Representing first-class Perfumery firm, desires another Agency; part expenses and commission. 76/14, Office of this Paper.

**B**OOKKEEPER and Cashier.—Lady desires re-engagement; London; Wholesale; 7 years in trade; age 25 years; used to Superintending office staff; excellent references. Apply, 77/6, Office of this Paper.

**T**OILET Article and Packed Goods Specialist, practical Analytical and Manufacturing Chemist, all-round business experience, capable Manager, desires any position of trust. "Radix" (74/23), Office of this Paper.

**C**HEMIST, with London experience, desires engagement in Wholesale Druggists' Laboratory; thoroughly experienced in Drug Standardising and Manufacturing, with practical knowledge of the trade. 80/21, Office of this Paper.

**A**DVERTISER requires situation as Traveller, Drugs and Sundries, Packed Goods, or introduce Specialities or represent Rubber Goods house, Kent and South Coast, or other counties. "Sundries," 128 Windmill Street, Gravesend.

**T**RAVELLER, qualified, best all-round Retail and Wholesale experience, desires re-engagement; good connection Midlands, Eastern Counties, and South Coast; full particulars at personal interview. "H.," (78/63), Office of this Paper.

**C**HEMICAL Engineer (aged 29), Englishman, with Continental education (Zurich), experience in Continental laboratories and works, having occupied administrative position in German firm, is desirous of finding suitable situation in Great Britain; four languages perfectly, and good knowledge of Office work. Address, "Chemist," Berry's Advertising Agency, Ltd., 180 and 181 Fleet Street, London, E.C.

## MISCELLANEOUS.

**M**CADAM & TUCKNISS, Sharedealers, 30 Tranquil Vale, Blackheath, S.E. Telephone 81a Lee Green.

**S**HARES for SALE (free of commission, subject).—200 Allen & Hanburys "A" 6 per cent. Preference Shares, 25s. 3d.; 5 Evans Leischer Preference, 45 2s.; 20 G. B. Kent Preference, 17s. 3d.; 100 Ilford Ordinary, 13s. 6d.; 25 General Motor Taximeter Cab £4 Preferred Ordinary Shares, 6s., dividend 13 per cent. last year, traffic increase this year £252,333 for 9 months; 100 Peck Frean Preference, 20s. 9d.; 200 A. J. White Ordinary, 3s. 1½d.; 100 Schweppes Deferred, 7s. 3d.; 100 Idris "A" Preference, 8s. 9d.

**W**ANTED (subject).—50 Canwal Ordinary 1s. 3d., 100 Preference 6s. 9d., 5 Debentures 33½; 100 Virol Ordinary, 5s. 9d.; 50 Dental Manufacturing, 90s. paid, £4 18s.; 50 Lewis & Burrows Preference 11s., 50 Ordinary 3s. 6d.

List of shares for sale and wanted sent free on application. Bankers, London and County. Established 1898.

**W**E HAVE WHAT YOU REQUIRE, Drug Fittings, Counters, Wall-cases, Dispensing-screens, Perfume-cases, etc., in almost all sizes; second-hand; condition first-class; prices reasonable. Write for sketches and details giving approximate sizes, or call and inspect. RUDDUCK & CO., 262 OLD STREET, E.C.

**"G**ARDEN CHEMICALS.—Chemists who wish to cultivate a trade in Horticultural requisites are invited to write to A. C. WOOTTON, 4 SEYMOUR ROAD, FINCHLEY, N., for a copy of the new and revised edition of the booklet entitled as above.

### "WINDOW IS DRAWING CROWDS."

That is what a Pharmacist wrote last week: "It is still a great attraction," is what he says this week. That is what you want. Attractive Window Displays, Good and Systematic Advertising, Bright Business Ideas, to help you along in business. Write for copy of Booklet, "How to Increase Your Business," to-night, and read it carefully; it will interest you. Post Free to Pharmacists.

J. R. B. ALLISON, Pharmacist & Business Specialist, RETFORD.



**1/3**

**GUMMED PRICE TICKETS**

Crimson ground, white figures. Stocked in all usual prices up to 21/-, each price banded separately in hundreds. — The Midget, 9d. per 1,000. The Magnum, 1/6 " 25 assorted 10 prices. Full illustrated list of Blanks for use with these tickets free on application.

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**10<sup>d</sup>**



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June 7, 1909.

COMPLETE FITTINGS for SHOP (in excellent condition, as good as new).—12-ft. drug-fitting, drawers, lockers, shelving, and cornice; 6-ft. wallcase in two heights; 6-ft. screen, mirror centre, oases on each side, counter under; 8-ft. serving-counter; perfume case and desk; counter case; £32 10s. complete. PHILIP JOSEPHS & SONS, 93 Old Street, London, E.C.

HERBERT RENSHAW CLARKE,  
22 MUSTERS ROAD, WEST BRIDGFORD, NOTTS.

PERSONS having Claims against above should send them before JUNE 17, 1909, to undersigned, otherwise they will be disregarded in distribution of Estate.

JNO. JAS. SPENCER, Solicitor,  
13 Park Row, Nottingham.

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Over 200 successful candidates.

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## TERMS.

One halfpenny per word with name and address. One penny per word if we register the address and attach a number.

No Advertisement inserted for less than 6d.

## FOR DISPOSAL.

### BOOKS AND PERIODICALS.

"CHEMIST AND DRUGGIST," June 1905 to June 1909 complete; 5s. carriage forward. THORNE, Market Street, Hednesford.

FOR sale, "Encyclopædia Britannica" (25 vols.), or exchange for good microscope. "O. T. E.," 13 De Montfort Street, Leicester.

COMPLETE set Martindale's "Pharmacopœia," from the 1st to 9th edition inclusive (later editions easily obtained); two of these autographed by the late Mr. Martindale; the 2nd and 4th editions extremely scarce; will accept five guineas the set; can be seen. "PHARMACIST," 46 Tufnell Park Road, London, N.

### DENTAL.

DENTAL forceps (14); mahogany case; what offers? ROBB, Yoxall, Burton-on-Trent.

DENTAL chair, lathe, and show-case specimens; cheap. "DENTAL," 34 Trinity Street, Boston.

WHAT offers? set of 8 dental forceps, silver plated (Maw's), in baize case; almost new. WHITE, Chemist, Earl Shilton.

DENTAL and surgical chair ("Harvard"); great variety of positions; almost new; in crimson cloth; what offers? A. P. WALLACE, Pharmacist, Torry, Aberdeen.

### FORMULÆ.

ICE-CREAM powder; costs 2½d. lb.; formula 2s. "LATOS" (75/19), Office of this Paper.

FORMULA for sale; boot polish. FRANCE, 42 Vartry Road, Tottenham, London, N.

THOROUGHLY satisfactory cure for gapes in chickens; used with bellows; no lime or camphor; 5s. DODDS, Crumlin, Antrim.

### OPTICAL AND PHOTOGRAPHIC.

BROWNIES, plates, papers; slightly soiled. 26 High Street, Chorlton-on-Medlock, Manchester.

### PROPRIETARY ARTICLES.

EIGHTEEN 1s. Eugol pdr.; 4s. 6d. Hopkinson's liq. colchic. salicyl.; 1 oz. eugallol; 3 lb. Corbyn's calamine; 15 oz. liq. sedans. 26 High Street, Chorlton-on-Medlock, Manchester.

OVERSTOCKED.—2½ doz. 1s. 1½d. Kartine, 9s. per doz.; 1½ doz. 2s. 9d. ditto, 18s. per doz.; 4½ doz. 1s. 1½d. Lincel liniment, 7s. per doz.; 2½ doz. 1s. 1½d. Cure I Can, 8s. 6d. per doz.; 3½ doz. 2s. 9d. ditto, 21s. 6d. per doz.; 6½ doz. 1s. 6d. anturic bath-salts, 11s. per doz.; 4 doz. 7½d. Dodge's creosote, 3s. per doz.; 1½ doz. 2s. 9d. Armstrong's skin-lotion, 23s. per doz.; 3 doz. 1s. 1½d. Lavan's linectus, 8s. per doz.; 1½ doz. 2s. 9d. ditto, 21s. per doz.; 3½ doz. 1s. Propert's cloth-balls, 6s. 6d. per doz.; 5/12 doz. 1s. 1½d. eczoline tablets, 8s. per doz.; 2½ doz. 1s. 1½d. eczoline ointment, 8s. per doz.; 15 doz. 2d. perfume plums, 1s. 3d. per

doz.; ¼ doz. 3-oz. glyco-thymoline, 9s. per doz.; ¼ doz. 1s. 9d. Dolly's iron milk, 14s. per doz.; ¼ doz. 2s. Trommer's ext. malt, 16s. per doz.; 1½ doz. 1s. 1½d. Bushby's neurotonic, 7s. 6d. per doz.; ¼ doz. 2s. 9d. Aeraum, 20s. per doz.; ½ cwt. nutgalls, 7d. per lb. J. HOWELL & Co., 125 King Street, Oldham.

### SHARES.

SHARES for Sale. See page 66.

### SHOP FITTINGS.

GLEDHILL "M D" till; six drawers; new this year; cost £14; what offers? HAYNES, 29 Angus Street, Cardiff.

TWO check cash-tills; high-class machines; equal new; accept 30s. each; cost double; approval. EASTHAM, Tycoch Road, Sketty, Swansea.

FOR sale, outside lamp, 2 solid ruby lenses, and wrought-iron spiders to fix on pillars; also ornamental pillar, 9 ft. high, little used; cheap; also carboys. TOTTE, Chemist, Epsom.

### MISCELLANEOUS.

PETROLEUM-OIL measuring apparatus, 60 and 150 gal. oil cisterns, tooth forceps, photo-mounts; cinematograph films, 2,000 ft. WARBURTON, Pharmacist, Farnworth, Bolton.

EXCELLENT half-set of bones, including two skulls; also one and a half dozen Pearson's antiseptic (labels soiled). Offers, "PHARMACIST," 247 Lower Clapton Road, N.E.

½ GAL. tincture-press, perfect condition, Maw's fig. 1895; 1 bell metal mortar, about 56 lb.; 1 Becker's balance and weights, perfect condition; a few dozen Leath & Ross's homeopathic pilules and tinctures, assorted. Apply, JOHN LLEWELLYN, Cowbridge.

### WANTED.

DENTAL instruments for gold fillings. "DENTAL," 1 St. Leonard's Road, Northampton.

"CHEMIST AND DRUGGIST," May 8, 1909. Post flat to "S. B." (15/15), Office of this Paper.

PAIR good dispensing, also counter scales, cheap. BELL, Binfield House, South Lambeth, London.

PURCHASE one of A. Browne Leicester lists. Please state lowest price, 71/4, Office of this Paper.

COIN-SHOWING check-till, about 18 by 8. Particulars and lowest price to "G." (75/12), Office of this Paper.

PILL-MAKING machine for small wholesale; good condition. Price, etc., FARMER, Chemist, Longton, Staffs.

PERSONAL weighing-machine and large-size Wedgwood mortar. Full particulars to PHILPIN, Chemist, Whitstable.

SODA-FOUNTAIN monitor, also gauge and indiarubber tubing; good condition; cheap. PERCIVAL, Chemist, Walthamstow.

MINOR, Major, Chemists' books.—Send prepaid for valuation; cash offers per return. GOWER, Bookseller, Waterloo, Liverpool.

### ADDRESSES WANTED.

ADDRESS of Mr. K. E. Kronberg, a Swedish masseur; supposed to be in Scotland. Apply, 75/32, Office of this Paper.



## Coming Events.

Notices for insertion under this heading should be received by the Editor on Wednesday of each week.

Wednesday, June 16.

*Royal Microscopical Society*, 20 Hanover Square, London, W., at 8 P.M. Dr. J. A. Braxton-Hicks will exhibit better-known tropical parasites.

Thursday, June 17.

*Bath Pharmaceutical Association*. Annual summer excursion. Train leaves G.W.R. station at 9 A.M.

*Chemical Society*, Burlington House, Piccadilly, London, W., at 8.30 P.M. Among the papers to be submitted are the following: "The Carbonate of Copper and the Cupricarbonates," by Mr. S. P. U. Pickering; "Isoquinoline Derivatives," Part I., "Oxidation of Laudanosine," by Mr. F. L. Pyman; "The Colour and Constitution of Azocompounds," by Messrs. J. T. Hewitt and W. Thomas.

Friday, June 18.

*Pharmaceutical Society of Great Britain, North British Branch*. Annual meeting at 36 York Place, Edinburgh, at 11 A.M. Business: Chairman's statement, scrutineers' report, and election of Executive.

*Edinburgh Chemists', Assistants', and Apprentices' Association*. Botanical excursion to Cramond. Train leaves Caledonian station at 8.37 P.M.

THE annual joint excursion of the Edinburgh and Glasgow Chemists' Associations will take place on Wednesday, June 23, when a visit will be paid to Peebles and district. Edinburgh tickets (inclusive), single, 10s.; double (lady and gentleman), 19s.; Glasgow tickets (inclusive), single, 13s.; double (lady and gentleman), 25s., together with time-table and descriptive guide, may be obtained from Mr. G. H. C. Rowland, 7 Castle Street, Edinburgh, or any member of the committee.

## Recent Wills.

MR. JOHN WILLIAM MOORE, Park Road, Morton Green, Lancs, chemist and druggist, left estate valued at 303*l*. 13*s*. 9*d*. (*C. & D.*, May 8, p. 702.)

MR. THOMAS JOHN GEORGE, 10 Boardman Street, Eccles, Lancs, chemist's assistant, who died on May 11, aged fifty, left estate valued at 1,348*l*. 15*s*. gross, with net personalty 1,276*l*. 15*s*.

MR. ARTHUR CROWEN CLIFTON, M.D., East Park Parade, Northampton, formerly in business as a chemist, left estate valued at 4,731*l*. 8*s*. 6*d*. gross, with net personalty 3,703*l*. 9*s*. 2*d*. (*C. & D.*, February 27, p. 356.)

MR. WILLIAM THORNELOE HORNIBLOW, Fernhill Heath, Worcs., chemist and druggist, left estate valued at 3,514*l*. 15*s*. 5*d*. gross, of which 2,761*l*. 9*s*. 9*d*. is net personalty. (*C. & D.*, March 6, p. 365.)

MR. RICHARD WILLIAM FORREST, of Morton Hall, Gainsborough, formerly a wholesale chemist, left estate of the gross value of 25,198*l*. 6*s*. 6*d*., of which the net personalty has been sworn at 19,113*l*. 16*s*. 9*d*. (*C. & D.*, February 27, p. 336.)

MR. HOLBROOK GASKELL, of Woolton Wood, Much Woolton, Liverpool, J.P., president of the United Alkali Co., Ltd., left estate of the gross value of 433,251*l*. 5*s*. 1*d*., of which the net personalty has been sworn at 423,814*l*. 19*s*. (*C. & D.*, March 13, p. 401.)

MR. JAMES OLDHAM, Coltman Street, Kingston-on-Hull, chemist and druggist, left estate of the gross value of 3,166*l*. 19*s*. 5*d*., with net personalty 422*l*. 2*s*. 2*d*. (*C. & D.*, February 27, p. 336.)

MR. JOSEPH ANDERSON, of The Lodge, North Road, Clayton, Manchester, chemical-manufacturer, of Messrs. Joseph Anderson & Sons, Ltd., Bank Street, Clayton, who died on February 11, aged forty-five, left estate valued at 18,097*l*. 18*s*. 6*d*. gross, with net personalty 18,042*l*. 19*s*. 9*d*.

A WRITTEN EXAMINATION for the Fellowship of the British Optical Association (theoretical portion only) will be held in Manchester in July. The Scottish examination of the Association will be held in the rooms of the Young Men's Christian Association, Bothwell Street, Glasgow, on June 24 and 25. An examination in the Dioptric Grade will be held at the University of London, Imperial Institute, South Kensington, S.W., on July 1 and 2. The adjourned annual meeting of the Association is to be held at 3 P.M. on Wednesday, June 30, in London.

## Where to Study.

The following educational institutions are advertising in this issue:

Muter's (South London) School of Pharmacy, 325 Kennington Road, London, S.E.

London College of Pharmacy, 323 Clapham Road, London, S.W.

Westminster College of Pharmacy, 402 Clapham Road, London, S.W.

South of England College of Pharmacy, 186 Clapham Road, London, S.W.

Northern College of Pharmacy, 100 and 102 Burlington Street, Manchester.

Manchester College of Pharmacy, 225A and 227A Oxford Road, Manchester.

Leeds College of Pharmacy, Clarendon Road, Leeds.

## Photographic Notes.

(By a Pharmaceutical Camerist.)

### Bromide Toning.

THE toning of bromide prints by several methods in which uranium and copper are used formed the subject of an article by Professor Namias recently in a French photographic journal. For uranium toning, Professor Namias recommends the following bath:

Uranium nitrate	...	...	3	grams
Oxalic acid	...	...	2.25	grams
Potassium chloride	...	...	0.5	gram
Potassium ferricyanide	...	...	1.20	gram
Water to	...	...	200	c.c.

This bath keeps well and gives pure whites, which is more than can be said of the usual uranium baths. For copper toning Namias advises a 1-in-10 solution of potassium citrate (neutral) and a 1-in-50 solution of copper sulphate. For toning, equal parts of these two solutions are mixed, and to every 100 c.c. 1 gram of powdered potassium ferricyanide is added.

### The Autochrome Process

has been simplified, and the plates reduced in price. Only two solutions are now required for the whole process. The developing solution is reserved for re-development after the reversing process. The developer is now made as follows:

Quinomet	...	...	4	grams
Sodium sulphite (anhydrous)	...	...	18	grams
Solution of ammonia 0.920°	...	...	6	c.c.
Potassium bromide	...	...	1	gram
Distilled water	...	...	1,000	c.c.

The reversing solution consists of:

Potassium permanganate	...	...	2	grams
Sulphuric acid	...	...	10	c.c.
Water	...	...	1,000	c.c.

### A Non-Actinic Medium.

ACCORDING to Dr. Castellani, a perfectly safe but brilliant orange-red light is transmitted by paper soaked for five minutes in the following solution:

Alcohol, 95 per cent.	...	...	500	c.c.
Auranine (Agfa)	...	...	2.50	grams
Safranine (Merck) 0.5-per-cent. solution	...	...	50	c.c.

### Alkali in Amidol Developer.

FROM time to time the addition of alkali to the amidol developer has been suggested as advantageous in cases of great under-exposure. As it often happens that photographic chemists get a batch of grossly under-exposed plates to develop, I append the formula generally considered most satisfactory:

Water	...	...	1,000	c.c.
Sodium sulphite, anhydrous	...	...	3	grams
Amidol	...	...	5	grams
Caustic soda, 1-per-cent. solution	...	...	30	c.c.

This developer works rapidly, and, so long as the alkali is not present in excess, without fog.

THE POISONS SCHEDULE as amended by the 1908 Act is printed by the *C. & D.* on a card to hang up. The card also contains a supplementary list showing preparations that are covered by the Act. Can be obtained from wholesale houses and the *C. & D.* Office for 4*d*., or post free 6*d*.



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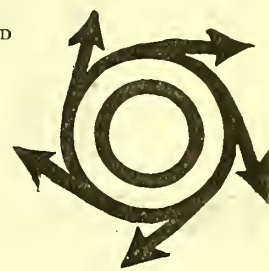


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*issued in metal dredgers, at 5/- per dozen*
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*issued in boxes of three tablets, at 15/- per dozen boxes*
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*issued in boxes of three tablets, at 19/6 per dozen boxes*
- 'DARTRING' LANOLINE PINE TAR SOAP  
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A liquid preparation of petroleum, delicately perfumed, for preserving and restoring the strength, vitality and beauty of the hair. It will prevent dandruff and keep the scalp clean, sweet and healthful.

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PANOPEPTON presents the entire substance of prime lean beef and best wheat flour in a perfectly soluble, diffusible, and absorbable form. It is at once a grateful stimulant and food.

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PEPSENCIA is an ever-ready digestive fluid possessing remarkable peptic and rennet activity. It contains pure pepsin, the vitality of which is unimpaired by chemical action or manipulation.

### **‘PEPULE’ PEPSIN 3 grs.**

A convenient and accurate method of administering pepsin.

### **‘ZYMINE’ PEPTONISING TUBES**

For the preparation of peptonised milk and other predigested foods for the sick.

Originated and Manufactured by  
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NEW YORK.

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**Burroughs Wellcome and Co.**  
LONDON, SYDNEY, CAPE TOWN.





**A Weekly Journal of the Chemical and Drug Trades,**  
and of  
**British Pharmacists throughout the Empire.**  
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is the leading journal addressing the chemical and drug trades of the British Empire. It is adopted as an official journal by seventeen Chemists' Societies in Australia, Ireland, New Zealand, South Africa and the West Indies, and its paid-in-advance circulation in Great Britain and all Countries having business relations with the British Empire is intrinsically and numerically unique.

#### Subscription Rates.

Ten shillings a year in advance, post free to any part of the world, including a copy of *The Chemists' and Druggists' Diary* next published. Subscriptions may begin any month. Single copy, 4d.; Summer or Winter Number, 1s. *Diary*, 8s. 6d. Postal orders and cheques to be crossed "Martin's Bank (Limited)."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 12 50 francs, franco.

Jährlicher Abonnementspreis: die Zeitung einmal wöchentlich, und der Notizkalender einmal im Jahre, 10 Mark, postfrei.

Prezio de suscripcion annual: el periodico una vez por semana, y el agenda una vez por anno, 12 50 pesetas, franco.

'Terms for advertising' in THE CHEMIST AND DRUGGIST can be obtained on application to the Publisher at the

**Head Office: 42 CANNON STREET, LONDON, E.C.**

Telegrams: "Chemicus London." Telephone 852 Bank.

**Branches: ADELAIDE, MELBOURNE, AND SYDNEY, AUST.**

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THIS paragraph is for the benefit of business men, those especially who want to better their businesses, or who have keen competition to meet, so that it is hard to increase returns and keep down expenses. We can help them if they place their advertising in THE CHEMIST AND DRUGGIST—there are business experts on our staff whose assistance is willingly and freely given. The fact that this journal is in its fiftieth year, and that its reputation as an advertising medium to the chemical, pharmaceutical, and allied trades was obtained in the first issue, and has grown ever since, proves that it does its work. An exceptional opportunity for business houses to stimulate their trade and extend their connection will occur in the Jubilee and

#### Insets.

Summer Issue of the *C. & D.*, to be published on July 31. Circulars and price-lists will be accepted for that issue as insets. Be good enough to write to the Publisher for full particulars. Address as above.

## Summary.

The subjoined paragraphs give the gist of the more important matters in this issue, with the object of showing at a glance what has happened during the week. See also "Contents" in the first column.

THE dispensing charges fixed by North Sydney (N.S.W.) chemists are quoted on p. 899.

WHOLESALE prosecution of Montreal druggists is threatened, 150 having been "caught" (p. 899).

EIGHT WILLS are summarised in our Coloured Supplement. The smallest estate is 422*l.*; the largest 423,814*l.*

THE EXPORT AND IMPORT trade of Great Britain in May showed distinct signs of improvement (p. 911).

A GRIMSBY company chemist's assistant has been fined 5*l.* for infringing the Pharmacy Act by selling laudanum (p. 903).

IN an exhaustive article which begins on p. 925 the chemical and pharmaceutical export and import trade of Japan during 1908 is summarised.

A PRELIMINARY REPORT in regard to the English medicinal-herb crops and essential-oil yielding plants reveals very fair prospects all round (p. 924).

DEWSBURY CHEMISTS have risen in arms against the local Co-operative Society selling P.A.T.A. goods subject to the "divi." We report their debate on p. 919.

WALCOTT GIBBS, the distinguished American chemist, was the subject of a memorial lecture by Professor F. W. Clarke, delivered to the Chemical Society last week and reported on p. 919.

STOCKKEEPING was discussed by the Western Chemists' Association, as reported in the *C. & D.* of May 23. We now print a series of hints which were culled from the speeches by our representative. They are good (p. 908).

FOR the first time in its history the two chief offices of the Pharmaceutical Society of Great Britain are occupied by Minor men, Mr. J. F. Harrington being President and Mr. W. L. Currie Vice-President (see p. 905 and p. 910).

THE WAR OFFICE says it can get all the chemists it wants as privates for the Territorial force, therefore will not give them commissions. We object (p. 913) and give particulars of the position of pharmacists in foreign armies (p. 914).

WE CALL THE ATTENTION of Mr. John Burns, President of the Local Government Board, to the need for looking into the question of the supply of medicines to Boards of Guardians. The observations are on p. 913. Will those interested support our remarks?

"XRAYSER" this week discourses, among other things, upon the work of the International Congress of Applied Chemistry. Perhaps he may be able to fathom the mystery about the Pharmaceutical Society's neglect of the Pharmaceutical Section (p. 909).

INDUSTRIAL FELLOWSHIPS were described by Professor Duncan, of Kansas University, to the London Section of the Society of Chemical Industry on Monday. Such fellowships are endowed by manufacturers for the purpose of special researches on industrial problems (p. 920).

THE Council of the Pharmaceutical Society of Ireland has received interesting letters from members of Parliament regarding the spirit-duty (p. 917), and we point out that there has been no better time than the present for retailers to write to their members (see p. 913 and p. 927).

BUSINESS shows an improving tendency with few fluctuations. Menthol and Japanese peppermint oil are active and dearer. Cubebs, insect flowers, cocoa butter, pepper, and turpentine are also higher. Bergamot oil, chrysarobin, foreign citric acid, and tragacanth are easier. Good crops of Turkey opium and otto are anticipated (p. 921).

THE HOME SECRETARY received on Tuesday a deputation from the Union of Pharmacists' Assistants. The interview was private, but we understand that Mr. Gladstone sympathetically heard the claims for inclusion of chemists' assistants in his Shops Bill. The deputation wanted a sixty-hours' week for assistants (including meal-times) and that chemists' shops should be shut at specified hours nightly (p. 906).

THE AGRI-HORTICULTURAL POISONS campaign shows little sign of abatement, and the flowing tide is not with chemists (p. 900). In this connection we show how erroneous are some of the representations made by unqualified sellers, and what the Pharmaceutical Society may be able to do under Regulation 8 (p. 912). On Thursday afternoon questions on the subject were put to the Irish Secretary and to the Home Secretary. These and the replies are printed on p. 906.



## English and Welsh News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

### Brevities.

An order gazetted on June 4 requires sheep in the county of Anglesey to be dipped between July 14 and September 1.

The Swansea Education Committee are furnishing a chemical-laboratory at the Grammar School at a cost of 275*l*.

Mr. W. A. McCarthy, chemist and druggist, has reopened his premises at 50 High Street, Grays, Essex, on completion of repairs necessitated by fire.

In a Chinese street, which is a feature of the Missionary Exhibition now being held in the Agricultural Hall, London, a native druggist's shop attracts attention.

The Evesham Gardeners' Association has given publicity to a letter from a local chemist pointing to the danger arising from the indiscriminate use of arsenical preparations as a means of destroying caterpillars.

Blaby Guardians received on June 8 a request from Dr. Young, medical officer, for an increase in salary owing to increased cost of drugs entailed by higher duty on alcohol. A committee was appointed to inquire into the matter.

At the Monmouth Assizes on June 4, Thomas A. H. Roderick, trading as a chemist in Pontypool, was sued by Miss Norah Blewitt for breach of promise of marriage. It was announced that the case had been settled out of court.

At the Westminster Police Court on June 8, Charles Bowles (29) was fined 5*l*., or in default one month's imprisonment, for stealing a bottle of perfume and other small articles to the value of 9*s*. from the Army and Navy Stores, Victoria Street, London, S.W.

At Marylebone Police Court on June 9, George Cruickshank (32), D.Sc., St. Patrick's Square, Edinburgh, was charged with obtaining 8*l*. by false pretences from Mr. Henry Lewis, of Messrs. Allen & Hanburys, Ltd., Wigmore Street, W. The case was dismissed.

The Newport (Mon.) Stores and Contracts Committee have had before them a schedule of Messrs. Ferris & Co.'s alterations in prices of spirituous preparations owing to the increased duty. Subject to the correctness of the schedule being certified by the dispenser, the increased charges will have to be paid by the Guardians.

At Hertford Assizes on June 4, Charles Douglas was acquitted of charges of obtaining money with intent to defraud chemists in connection with an illustrated review of the town (*C. & D.*, May 1, p. 666). The Judge said Douglas had been very near the line which distinguished a breach of contract from false pretences.

During the present week there have been sold in one of the best-known auction-rooms in the West End of London a Roman bottle and no fewer than twenty-seven old medicine phials which were brought to light during the excavations which were made a year or two ago on the site of old Newgate prison. There was also offered for sale at the same time a curious old Japanese dentist's hand spittoon.

The first show of the season of the Horticultural Society fostered by Messrs. Ferris & Co. resulted in Mr. A. H. Sage, F.R.H.S., being called upon to judge a delightful display at the firm's Union Street premises. Mr. A. Smith was awarded the first prize and Mr. G. Baker secured the second award. Messrs. F. Bennett, A. Hemming, H. Applegate, F. Lewis, and P. Smith followed next in the order named.

The Sheffield City Council have had a further report from the General Purposes and Parks Committee on the question of the regulations under the Petroleum Acts, and have decided that, as alcohols, methylated spirit, naphthas, sulphuric and other ethers, chloroform, bisulphide of carbon, etc., and their mixtures, present dangers similar to those of petroleum, the Petroleum Acts, 1871 to 1881, shall apply to these substances.

### Cricket.

Allenburys' C.C. v. Burgoyne, Burbidges' C.C.—Played at Walthamstow on June 5. Scores: Allenburys, 140 runs for eight wickets (declared); Burgoyne, 60.

### International Congress of Applied Chemistry.

Among those who attended the Pharmaceutical Section of the Congress was Dr. Viron, of Paris, editor of "L'Union Pharmaceutique" (whose name was given as Viroy in the list on p. 883). Dr. Viron was one of the group reproduced on p. 872. He stood between MM. Domergue and Herissey, behind Dr. Lenz.

On Thursday evening, June 3, Dr. Jokichi Takamine, one of the Imperial Japanese Government delegates to the Congress, gave a dinner in the Piccadilly Hotel in honour of his co-delegates, Professor Kuhara, of Kyoto University; Dr. Nishikawa, University of Tokuoka; and Dr. Higuchi, of the Department of Agriculture and Commerce, Japan. There were present to meet them: Sir Joseph Swan, F.R.S., Dr. Edward Divers, F.R.S., Dr. E. J. Mills, F.R.S., Dr. H. W. Wiley (Washington), Professor Baskerville, Dr. Baekeland, Dr. Elliott, and Dr. Toch (New York), Dr. E. M. Houghton (Detroit), Dr. Hamburger and Dr. Leffert (Berlin), the Hon. Mr. Yamaza (of the Imperial Japanese Embassy), the Hon. Mr. Sakata (Imperial Consul-General for London), Mr. Abé (Yokohama Specie Bank), Mr. Yanagiya (Bank of Japan), Dr. Ito, Dr. K. Terano, Dr. Nakazawa, and Dr. Nakagawa (Tokyo), Dr. John Milne, F.R.S., Mr. Forster (Lancaster), Professor E. F. Mondy, Dr. Watson Smith, Mr. George Cawley, Mr. F. M. Fisk, Mr. H. J. Fisk, Mr. Charles Flint, and Mr. T. Maben.

### Midland Notes.

Messrs. Hampshire & Co., Riverside Works, Derby, are starting a branch factory at Burton-on-Trent for the manufacture of fly-catchers and their other productions.

Mr. H. Teesdale Reeve, A.I.C., son of Mr. T. L. Reeve, pharmacist, Birmingham, is the successful applicant for a post in the Physical Research Laboratory at Chiswick. Mr. Reeve took his associateship of the Institute of Chemistry in the branch of metallurgical chemistry.

### Contracts.

Isle of Thanet Guardians.—Hopper & Co. for twelve air-beds at 50*s*. each.

Canterbury Sanatorium Committee.—E. Bing & Son, Canterbury, for one year's supply of drugs.

Salford.—R. K. Lakin & Co. for the annual supply of carbolic powder at 3*l*. per ton; Higginbottom & Co., Manchester, for 50 tons of green copperas at 27*s*. per ton net, delivered free.

Meriden (Warwickshire).—Mr. C. Thorger, Meriden, for cotton-wool at 1*s*. 6*d*., lint at 1*s*. 9*d*., and vaseline at 1*s*. per lb. The Guardians had hitherto obtained their requirements as needed from the local tradesmen, but at the suggestion of the Master sought tenders. It was stated that the new arrangement is cheaper.

The Islington Guardians agreed on June 3 not to seek tenders in future for proprietary disinfectants. The Visiting Committee recommended carbolic acid and permanganate of potassium as substitutes with the exception of the school, for which Harper's Fluid was stated to be as cheap and efficacious as carbolic acid.

### The Co-operative Movement.

The annual congress of the Co-operative Union was held at Newcastle-on-Tyne last week. It was reported that the number of societies decreased from 1,582 in 1907 to 1,560 in 1908. The figures for 1908 given relate to 1,548 societies, as compared with 1,566 in 1907. The number of members increased by 82,109 during 1908 to 2,516,194. The total trade was 107,550,654*l*., an increase of 1,832,955*l*., and the share-capital also increased by 1,189,751*l*. to 32,244,980*l*. However, the profits were down by 274,694*l*., being returned at 11,723,647*l*. The two wholesale societies (in England and Scotland) possessed a membership of 1,414 (a decrease of three) in 1908. The shares held amounted to 1,934,676*l*., a rise of 190,131*l*., while loans increased by 382,900*l*. to 5,114,201*l*. The sales were 32,435,968*l*. (43,940*l*. increase), but profits decreased by 137,197*l*., being a total of 731,124*l*.

### Sale of Food and Drugs Acts.

At the meeting of the Isle of Wight County Council on Wednesday, June 9, it was reported that the Local Government Board had not yet approved the appointment of Mr. E. W. Pollard, Ph.C., B.Sc., of Ryde, I.W., as public analyst for the county, in succession to Mr. Otto Hehner, and that the committee of the Council



are still in communication with the Board respecting the appointment. Alderman Colonel Hamilton asked whether, while they were squabbling with the Local Government Board, any steps were being taken for the protection of the public under the Food and Drugs Acts, and received a reply in the negative from the Chairman of the committee dealing with the question, Mr. E. T. Minter, who said no samples had been taken during the past year for analysis, and no other analyst had been engaged temporarily, as it is considered that such action would weaken the position of the committee, who were holding out for the appointment of a local man. Mr. Pollard is fully qualified, but his appointment is opposed on the ground that he is not a Fellow of the Institute of Chemistry. They were in hopes that the further negotiations in progress would result in the appointment of Mr. Pollard being approved.

#### The Royal Show.

A trial of fruit-tree spraying machines will take place in connection with the forthcoming show of the Royal Agricultural Society at Gloucester on Thursday, June 17. Prizes of 10*l.* and 5*l.* are being offered for the best machine worked by hand-power for washing or spraying trees or bushes in commercial plantations, and already a large number of entries has been received. The machines will, it is stated, be tried with (1) ordinary wash, *e.g.* paraffin emulsion; (2) some gritty wash, *e.g.* lime wash; and (3) mineral wash, *e.g.* Bordeaux mixture or any other mixture required by the judges. The display should be of interest to chemists and druggists at the present juncture. They will also have the opportunity of inspecting Messrs. William Gardner & Sons' sifting and mixing machinery in motion.

#### Fulham Pageant Ambulance Arrangements.

Messrs. Burroughs Wellcome & Co. are providing the equipment of an ambulance tent for this Pageant, which is placed in a convenient position adjoining the Press tent. The services of four medical men and about twenty nurses have been retained, and every arrangement has been made for the prompt treatment of emergency cases. The equipment comprises a plentiful supply of restoratives, compressed bandages, dressings, splints, "Tabloid" medicines, etc. In addition to the main equipment in the tent, each of the twenty nurses on duty in the grounds will carry a special "Tabloid" first-aid case.

#### Imitating Zam-Buk.

At the Cardiff Police Court on June 2, before the Deputy Stipendiary (Mr. E. Milner-Jones), Madeline Pratt (46), canvasser, and Samuel Naish or Ness (23), who is alleged to have been Pratt's employer, were charged with having obtained money by false pretences in selling an imitation of the ointment produced by the Zam-Buk Co., and also with conspiring to defraud. Mr. Harold Lloyd, who prosecuted for the Zam-Buk Co., said there were nearly 2,000 cases where imitation Zam-Buk had been sold, the prisoners having disposed of 500 in one district. Mrs. Alder deposed that Pratt called on her as representing the Zam-Buk Co. as a canvasser. A box of ointment was offered for 3*d.*, prisoner adding that the real price of Zam-Buk was 1*s.* 1½*d.* Witness bought a box, but it was not labelled and was of a different colour from that which she had purchased from a chemist. Mrs. Partridge stated that the male defendant offered her "Anthony's" Zam-Buk, adding, "Anthony is selling it for 1*s.* 1½*d.* a box, I am giving two boxes for 3*d.* as samples. Ina Wakeley, nursemaid in the employ of Naish, described the process of preparing the ointment by adding green colouring matter to a yellow ointment. Mr. Jas. Purvis (manager to Mr. D. Anthony, chemist, 39 St. Mary Street) deposed that no "Zam-Buk" samples were prepared for sale by Mr. Anthony, nor had the prisoners been authorised as vendors on their behalf. Mr. Frederick Hill, for the Zam-Buk Co., stated that the accused were not employed by his firm. Both prisoners were remanded until Thursday, when the female prisoner said she was engaged by Ness as a canvasser at 8*s.* per week and a commission of 6*d.* per dozen boxes. She believed Ness was genuinely employed by the Zam-Buk Co. The male prisoner said he was a photographer and he introduced the ointment specially adapted for burns and scalds and to be used the same as Zam-Buk. Both prisoners were committed to the Sessions for trial, bail being allowed.

## Irish News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

#### Pharmaceutical Society of Ireland.

Applications for the undermentioned examinations should be lodged by 11 A.M. on the respective dates: *Preliminary Examination*, Thursday, June 17; *Registered Druggist*, Tuesday, June 29; *Pharmaceutical Licence*, Wednesday, June 30; *Pharmaceutical Assistant*, Monday, July 5.

#### Haslett Memorial Committee.

A meeting of the committee which had charge of the Haslett statue erected in Belfast City Hall grounds was held on June 4. The Lord Mayor presided, and the business having been completed the committee was dissolved.

#### Personal Items.

Mr. J. E. O'Neill, J.P., chemist and druggist, of Maghera, has been unanimously reappointed chairman of the Board of Guardians at Magherafelt.

Sir Wm. J. Baxter, J.P., chemist and druggist, Coleraine, was one of the speakers at the opening of the Exhibition of Students' Work at Belfast Municipal Technical Institute on June 4.

Sir Ernest Cochrane, Bart., principal of the firm of Messrs. Cantrell & Cochrane, aerated-water manufacturers, Dublin, has resigned his position as Hon. Gentleman-in-Waiting to the Viceroy of Ireland and is about to make a long tour abroad.

Mr. W. A. Frizzell, registered druggist, Portstewart, and Mr. Wm. Shaw, druggist, Grosvenor Road, Belfast, have been elected to the committee of the Sub-Postmasters' Federation of Ireland, the annual meeting of which was held in Londonderry last week.

Mr. A. L. Doran, pharmaceutical chemist, Goldsmith Terrace, Bray, has sold his business, as from June 1, to Mr. Richard A. Austin, pharmaceutical chemist. The business was founded by the late Mr. A. E. Doran, forty-seven years ago, and has attained considerable importance. Mr. Austin has had experience in Derry and Dundalk which fully fits him to carry on the business on the same lines that have contributed to its success.

Dr. Patrick Merrin, pharmaceutical chemist, formerly member of the Council of the Pharmaceutical Society of Ireland and proprietor of the Medical Hall, Lower Camden Street, Dublin, who some years past relinquished pharmacy for medicine and later on went out to Australia on account of failing health, has returned and opened a surgery at Kingstown, Dublin. Dr. Merrin has had the misfortune to lose his wife since his return. Mrs. Merrin died somewhat suddenly and was buried at Dundrum cemetery on June 3.

#### Advertisement Payments.

Mr. Andrew Wilson, pharmaceutical chemist, 187 Albert Bridge Road, Belfast, was sued at Belfast Recorder's Court last week for the recovery of 1*l.* 19*s.* due for an advertisement in the "North Down Herald." The defence was that the conditions had not been observed, but after hearing the evidence the Deputy Recorder gave a decree for the amount.—Mr. James Macauley, druggist, 18 and 20 Holywood Road, Belfast, was also sued for 3*l.* 18*s.* for an advertisement. The same defence was raised, but his Honour gave a decree for the amount claimed.

#### Mohill Union Drug Bill.

The Local Government Board has written to the Mohill Guardians calling attention to the fact that the cost of drugs and appliances for the half-year in the Ronan dispensary district of the board was 55*l.* 8*s.* 6*d.* for 203 patients; and before deciding on what deduction, if any, should be made from the principal claims, the Local Government Board asked for the Guardians' observations on the question of the high expenditure. The Clerk said that the medicines were ordered when Dr. Delany was medical officer. The Clerk was instructed to inform the Local Government Board that the Guardians ordered the



medicines and appliances on the requisition of the medical officer, no requisition had been received for some time, and there is a good supply of medicines and appliances in stock.

#### Creditors' Meetings.

A first private sitting of the creditors of Mr. James Corcoran, pharmaceutical chemist, Dublin, will be held at the Bankruptcy Buildings, Four Courts, Dublin, on June 18, at 11 A.M., for proof of debts and to consider the offer of 7s. 6d. in the pound referred to in the *C. & D.*, June 5, p. 851.

A circular has been issued by Messrs. Casey, Clay & Collins, solicitors, Dublin, in the case of Mr. Cornelius Mannin, pharmaceutical chemist, Dublin (see *C. & D.*, June 5, p. 851), stating that owing to the depression in trade, Mr. Mannin has been obliged to seek the protection of the Court. A meeting of the creditors was to be held in Dublin on June 8, when a statement of affairs was to be presented and an offer made for the compromise of Mr. Mannin's debts.

### Scots News.

Local Newspapers containing marked items of news interesting to the Trade are always welcomed by the Editor.

#### Personal.

Mr. A. Crosbie, chemist and druggist, has taken over the business of Messrs. D. Lister & Co., chemists and druggists, 117 High Street, Dunfermline.

The "Transactions" of the Buchan Field Club, issued this week, contain an interesting account of the majority celebrations last autumn, including a biographical sketch of Mr. J. F. Tocher, Ph.C., B.Sc., the Secretary.

Mr. John Anderson, the new President of the Forfarshire Chemists' Association, is the subject of the portrait in this month's "Wizard of the North." From the biographical notes we learn that Mr. Anderson is a native of North Queensferry, and in 1867 was apprenticed to Mr. Wm. Brown, Ph.C., Dunfermline. After other experience he went to Dundee in 1875 as manager of Mr. D. H. Ferrier's pharmacy, and soon after was taken into partnership. In 1903 he started business on his own account in Strathmartine Road, Dundee.

#### Edinburgh.

Mr. William Brims, pharmacist, Edinburgh, sailed from London last week for Colombo, where he is to take up a position with Messrs. Cargills, Ltd.

According to the Postal Directory of Edinburgh and Leith for the year 1909-10, the number of wholesale chemists and druggists is seventeen, and of retail chemists and druggists 150, as compared with 149.

The business of the late Mr. John Leask in Easter Road, which has been carried on for some years under qualified management, has been purchased by Mr. Slater, chemist and druggist, formerly of the Civil Service Stores.

The eighteenth annual sports meeting of the Edinburgh Pharmacy Athletic Club was held in the Royal Gymnasium grounds on Monday evening, June 7, before a large attendance of spectators, including a number of the club patrons. The weather was ideal, and the programme, although entirely confined to the trade, proved very interesting, the various events being keenly contested. Mr. J. Rutherford Hill, who presided at the presentation of prizes by Miss Anderson, congratulated the club on the successful meeting, which justified the abolition of the open events in the programme.

#### Glasgow and the West.

At Paisley on Monday, Robert James Campbell was sentenced to thirty days' imprisonment for stealing 15*l.* 5*s.* 6*d.* from a chemist's shop in Main Street, Busby.

Claims against the late John Lawrence, chemist and druggist, 3 and 4 Charing Cross Mansions, Glasgow, are to be lodged with Messrs. Gordon, Smith, & Parker, writers, 187A West George Street, Glasgow.

As a result of the recent competition the Kinninmont prize has been awarded to Mr. Robert G. Howat, who

is a junior assistant with Mr. Wm. Thomson, Partick, Glasgow. Mr. Howat obtained 97 per cent. of the possible marks in physics and 90 per cent. in botany.

Messrs. Cockburn & Co., Ltd., chemists, St. Enoch Square, are showing a consignment of sponges in their windows, in the centre of which is a figure representing a diver. The firm had a curious experience the other day when opening the morning's mail. Amongst the letters was an order for pills, accompanied by a scone. Investigation showed that inside the scone were three shillings in cash, this being the way that an ingenious person in the country had of circumventing the postal regulations.

### French News.

(From the "C. & D." Paris Correspondent.)

**PROHIBITION OF FEEDING-BOTTLES WITH TUBES.**—The text of a short law has been drawn up by a special Parliamentary Committee appointed to study this rather vexed question, by which it is proposed to prohibit the sale in France of feeding-bottles with tubes.

**THE NANCY INTERNATIONAL EXHIBITION.**—Although officially inaugurated early in May, the Nancy exhibition has been, like most of its predecessors in other cities, in a very unfinished state. An effort was, however, made to bring matters forward for the visit of the members of the London County Council last week, and the "Semaine Anglaise" was carried out with great official ceremony and *éclat*. To say that the exhibition is now really finished would scarcely be correct, but by the end of this month the finishing touches will have been given, and those pharmacists whose holidays permit of a visit to Nancy—the city beautiful, as its admirers sometimes name it—will find the exhibition both interesting and attractive. Although international in name, the object of the exhibition is principally to set forth the resources and great industries, not only of the localities in and around Nancy, but also of the whole of the North-East of France. There is a pharmacy section in the science and arts building, in which some exhibits are already arranged. These include the magnesia products (carbonate, calcined, etc.) of Buieson and Lodde, Le Mans, the preparations of the Society of Chemical Industry of Basle (Switzerland), from their works at St. Fons (Rhine), an effective show of capsules by Fournier & Co., of Dijon, vermin-killer by Steiner, of Vernon (Eure), &c. Many Parisian firms are represented. Byla, of Gentilly, has a nice case of specialities such as peptone and pepsine. M. Jaboin, the recently elected pharmacist *prud'homme* of the rue de Miromesnil, shows his "Radio-Pharmacy" specialities such as Radio-Septal, the radiferous mineral water of Bussang, &c.; while next to him M. Armet de Lisle, of Nogent-et-Marne, exhibits his radium salts and radioactive substances. There is a good show of surgical dressings by various French makers. Among other exhibits are M. Dequeant's metal hair-brushes and combs, and hair-lotion; the "Biberon Robert" (feeding-bottle); Vichy mineral water; Lessive Phénix and Lecats soap; the Floreine cream of beauty, and dentifrices by Girard (Paris); raw drugs and finished products by the Parfumerie Lorraine, and Swann, of Paris, shows Churchill's Limol ampoules and hypophosphites. There is a small photographic section, including some charming coloured photos by Lumière, of Lyons; and a section for scientific instruments and radiography.

**COPAL** occupies a relatively unimportant position among the products obtained from German East Africa, the value exported in 1907 being 6,945*l.*, as against 5,884*l.* in 1906. The chief districts interested in the gathering and export are Dar-es-Salaam, Bagamoyo, Kilwa, and Lindi.

**PALM OIL.**—The current issue of the "Kew Bulletin" (No. 4, 1909) contains an important contribution on "The Economic Aspects of the Oil Palm," which deals with questions relating to the habitat, cultivation, yield, etc., of the palm, the mode of preparation of the oil, and other kindred matters. The information is mainly derived from the reports received from West Africa in reply to a letter written by the Director of Kew to the Under-Secretary of State for the Colonies in February 1908.



## Cape Colony News.

(From the 'C. & D.' Correspondents.)

**PERSONAL.**—Mr. J. Morgan Richards, after a three weeks' stay in Cape Town, went on to Durban; on his return journey he called again at Cape Town, sailing for home on June 3.

**EXAMINATION RESULTS.**—The half-yearly examination of the Cape Pharmacy Board was held in Cape Town on May 12 and 13. Five candidates presented themselves, and one (Mr. T. J. Hughes, of Messrs. Heynes, Mathew & Co., Cape Town) was successful.

**BUSINESS CHANGE.**—The partnership between Mr. W. Aitken and Mr. H. R. Peck, trading under the name of Aitken & Peck, chemists, Long Street and Kloof Street, Cape Town, has been dissolved. Mr. Peck takes over the Kloof Street business, and Mr. Aitken the one in Long Street.

**A KIMBERLEY EXHIBITION.**—An exhibition of South African produce and manufactures was held in Kimberley from May 12 to 15, under the auspices of the South African National Union, a society for the encouragement of local industries, and for the promotion of the use of South African products among the people. The exhibition was opened by the Governor of Cape Colony (Sir W. Hely Hutchinson), and was a great success. Pharmacy was represented by Messrs. Gasson and Cooper. Mr. Cooper had a good show of his pectoral-cough balsam, bronchitis-mixture, fruit syrups, and other specialties, the stand being supported by pillars of cartons of these specialties, and the sides and background having original advertisements painted on canvas. Mr. W. Gasson had a very artistic exhibit of Crinolia hair preparations, Coleman preparations (made by a Cape Town firm), rose tooth-powder, and other toilet specialties. The stand was designed in navy blue cloth with gold lettering, and tastefully relieved by vases of choice flowers.

**UNQUALIFIED PARTNER FINED.**—The adjourned case against Mr. Allen McLeod, a partner in the firm of Jamieson & Co., Waverley Drug-stores, East London, who was charged with contravening the Medical and Pharmacy Act by practising as a chemist without a licence, was resumed in the Resident Magistrate's Court last month, before Mr. W. J. L. McDonald. The particulars of this case were given in our issue of April 24 (6. 651). Accused, who pleaded not guilty, was defended by Mr. Stone, who asked for his discharge on the grounds that the alleged offence had not been proved. The section reads: "Any person who practises as a medical practitioner or chemist, and practises without a licence," and the definition of practising, according to the Imperial Lexicon, is "to do or to perform frequently or habitually to exercise any profession." The only evidence adduced in this particular case was that accused during the temporary absence of his partner made up a prescription, and that he did it in a case of emergency apparently. He (Mr. Stone) submitted that a man doing a thing of that sort—one action—did not constitute practising. The Magistrate said there was nothing in the evidence to show that accused made up the prescription for another chemist in an emergency. In his (the Magistrate's) experience the practice had been simply to base a charge on a specific act of practising without a licence, and in this instance it was pointed out that the accused was charged with practising as a chemist, and that one specific act cannot constitute practice. He did not think the Court would be justified in deciding a point like that in favour of the accused. It seemed to him that it was only necessary to prove a specific act. The mere fact of being a partner might raise certain suggestions that accused was in the habit of doing this; on the other hand, as had been pointed out, there was no evidence that he was, and a man might be a partner in a concern and yet never enter the shop. He found accused guilty. Mr. Stone said he would like to point out that it had been the practice of chemists to have men in the position of the defendant upon their premises and to prescribe. This was the first case of that sort that had ever been proved in East London, and it would be a lesson to chemists in the future. He would ask the Court not to impose a penalty upon the accused in this case, but to

bind him over under the First Offenders Act. The Magistrate said he did not feel justified in adopting the course suggested. In consideration of the defendant's experience he imposed a nominal fine of 3/.

## New South Wales News.

**WAGES BOARD.**—The Pharmaceutical Wages Board was formed by order of the Industrial Arbitration Court on April 23. A discussion took place as to including the assistants employed in Friendly Societies' dispensaries on the ground that dispensaries are not shops, but eventually the Judge ruled the formation of a Shop Assistants' Pharmaceutical Board for "the industry of shop assistants and office assistants in chemists' shops and such public and private dispensaries as are shops within the meaning of the Industrial Disputes Act." Four members of the Board were appointed—Messrs. C. J. Carroll and L. M. Pattinson as employers' representatives, and Messrs. H. H. Davey and F. J. Bowen to represent the assistants.

**DISPENSING PRICES.**—The Northern Sydney Pharmacists' Association have adopted the following minimum price-list for dispensing medicines. Each prescription is to be marked with the price charged, the chemist using the code word "Pharmacist."

Mixtures	Powders	Cachets	Pills	Glyc. c. Bellad.
Oz.				Oz.
1 ... 1/	1 or 2 /6	1 or 2 /6	1 ... /6	1 ... 1/
2 ... 1/6	3, 4, and 6 1/	6 ... 1/3	6 ... 1/	2 ... 1/5
3 ... 1/6	12 ... 1/9	12 ... 1/9	12 ... 1/	3 ... 2
4 (1 dr.) 2/	12 ... 1/6	18 ... 2/6	18 ... 1/6	4 ... 2/6
4 (2 dr.) 1/6	18 ... 2/	24 ... 3/	24 ... 2/	6 ... 3/
6 (2 dr.) 2/	24 ... 2/6		50 & 60 3/6	8 ... 3/6
6 (4 dr.) 1/9		Suppositories	100 ... 4/6	
8 (2 dr.) 2/6		6 ... 1/6	"Bland"	
8 (4 dr.) 2/		12 ... 2/6	50 ... 2/6	
10 ... 2/6			100 ... 3/6	
12 ... 3/				
16 ... 3/6				
20 ... 4/				

## Canadian News.

(From the "C. & D." Correspondent.)

**ACID-MAKING FIASCO.**—A short time ago Dr. Hemstock came out from England to Kingston, Ontario, with the idea of developing a sulphuric and nitric acid industry in that town, but has given up the venture, as he finds that these acids are controlled by a combine, rendering it impossible for another concern to enter the market at a profitable rate. Dr. Hemstock was given the use of a site by the city authorities, who are disappointed that the plans have miscarried.

**COCAINE BILL.**—Mr. J. E. Tremble, President of the Quebec Pharmaceutical Association, states that the Finnie Bill regulating the sale of cocaine, morphine, heroin, and kindred drugs, has been shelved until next Session of the Quebec Legislature. Mr. Tremble, together with Mr. Tansey (counsel for the Association), was at Quebec to watch the progress of this Bill, and was disappointed when the Premier announced that, owing to the length of the Session, that Bill, with about a dozen others, would have to be held over until next Session.

**WHOLESALE PROSECUTIONS.**—Some time ago the Pharmaceutical Association of Quebec took action against Drs. J. A. and Aime Handfield for selling cocaine contrary to law. The case was wrongly taken and thrown out by the Judge, the doctors entering an action against the Association for \$10,000 damages. Not content with this, they employed detectives with the idea of entrapping other druggists who might be guilty of offences against the law. They have succeeded in obtaining evidence against some 150 druggists of Montreal for selling calomel, carbolic acid, etc., without proper registration, and have preferred some seven hundred charges against the druggists implicated. These comprise many members of the Pharmaceutical Association, including the President. It is intended to bring up about twelve actions at a time.



## American Notes.

(From the "C. & D." Correspondent.)

**BOSTON EXHIBITION.**—A movement is on foot to hold an International Exhibition in Boston in 1920 to commemorate the 300th anniversary of the landing of the Pilgrim Fathers and the founding of New England.

**GROCERS AND PHARMACY LAW.**—The Court of Appeals in New York has just decided that the State Board of Pharmacy may not prosecute grocers under the Pharmacy Act for the sale of cream of tartar and similar articles which do not conform with the U.S.P. requirements. During the last two years the Board has prosecuted many grocers, and would have continued to do so but for the fact that this case taken to the Court of Appeals has made further proceedings impossible.

**THE DEATH OF Jacob H. Redsecker, Ph.M., of Lebanon, Pa.,** removes one of the best-known pharmacists of America. Mr. Redsecker was an ex-President of the Pennsylvania Pharmaceutical Association, and had played a prominent part in the affairs of the Philadelphia College of Pharmacy—the oldest pharmacy school in the United States. A clear writer and thinker, he dropped often into poetry, and his pharmaceutical verses, humorous and otherwise, were collected and published two or three years ago. Mr. Redsecker was both a wholesale and a retail druggist. He was seventy years old at the time of his death.

**REFEREE BOARD.**—The Attorney-General of the Federal Government at Washington has given his decision that the Referee Board of Consulting Experts, originally appointed by ex-President Roosevelt, has ample legal authority for its continued existence. The friends of Dr. H. W. Wiley, heretofore the czar who has issued rulings in regard to food and drug standards, desired to have the Board thrown out in order that Dr. Wiley would have no supervising authority over him. The continuance of the Board, therefore, assures manufacturers and dealers that all moot questions will be carefully submitted to review—a very important consideration in matters which so profoundly affect large interests.

**PARRISH PORTRAIT.**—The Ebert Memorial dedication, held on May 21 in Chicago, has already been referred to in this column. In the meantime another departed leader in pharmacy has been similarly honoured. Edward Parrish, who died in 1872, was a professor in the Philadelphia College of Pharmacy for many years prior to his death, and Parrish's "Text-book on Pharmacy" was the first of the kind published in U.S.A., and served as the framework for all the subsequent treatises on the subject. Recently a portrait of Professor Parrish was presented to the Philadelphia College by friends, and addresses and remarks were made by a number of prominent pharmacists throughout the country who went to Philadelphia especially for the occasion.

**TARIFF-REVISION.**—The "American Druggist," discussing the farce of tariff-revision which has been going on for some weeks, says: "The worst feature of the whole tariff situation is that whether the revision be toward a higher or toward a lower plane of taxation, the imposition of the tax on each particular item appears to be wholly a matter of political influence on the part of those especially interested. As this is an unknown quantity, no one can foresee what the ultimate outcome of any revision will be. This lack of any guiding principle is shown in the imposition of additional duties on imported mineral waters under the Payne Bill. An interesting memorandum on this subject has been transmitted to the Committees of the House and of the Senate by the firm of Andreas Saxlehner, importers of the Hunyadi Janos water, in which the fact is pointed out that, so far as can be learned, only two interests have appeared in advocacy of the imposition of this tax, neither one of which, so far as is known, can be spoken of as representing an 'infant industry.' As a matter of fact, no natural mineral water can be either helped or hurt by a protective tariff. An American spring may produce a water rich in magnesium sulphate—it can never produce natural Hunyadi Janos water."

**SPANISH QUICKSILVER.**—The exports from Seville in 1908 amounted to 1,452 tons, against 1,451 tons in 1907.

## Agri-Horticultural Poisons.

### Notices of Application

for licensees under Section 2 of the Poisons and Pharmacy Act have been lodged with the local authorities named.

Subscribers and others would oblige us by sending information with reference to applications. Copies of newspapers containing the advertisements of applicants would also be esteemed.

**ABERDEENSHIRE.**—Wm. Matthews, Tough; A. W. Ord, Gartley; Alex. Morren and Robt. Grant, Tarland; Jas. Roy & Son, Fisherford; Robt. Simpson, Keig; Mrs. J. Watt, Lynce of Skene—general merchants.

**AYRSHIRE.**—David Strains, merchant, Barrhill.

**BALFRON STATION (STIRLINGSHIRE).**—Wm. Cordiner, general merchant.

**BRISTOL.**—S. Levy (Bristol Veterinary Medicine Co.), 1 St. Paul Street.

**COLDSTREAM.**—R. Hogg Shaw (Hogg & Wood, nurserymen).

**DUNFERMLINE.**—C. E. Livingstone, seedsman, 127 High Street.

**DUNS.**—R. Hogg Shaw (Hogg & Wood, nurserymen).

**EAST GRINSTEAD.**—J. J. Wallis & Co., nurserymen, 82 London Road.

**GLASGOW.**—J. & D. Hamilton, oil refiners, Queen Street.

**HAYLE (CORNWALL).**—Hosken, Trevethick, Polkinhorn & Co.

**KILMARNOCK.**—Wm. Samson & Co., seedsman, 8-10 Portland Street.

**LEYLAND (LANCS).**—Rd. Higham, nurseryman.

**PONTEFRAC.**—C. England, ironmonger, Market Place.

**PORTSMOUTH.**—S. R. & T. Clegg, seedsman, 159 Commercial Road.

**RYDE (I.W.).**—J. Dimmie, nurseryman, High Street.

**SHANKLIN (I.W.).**—W. Miller, nurseryman, Atherly Road.

**STOW (N.B.).**—Anne Ovens (George Ovens), merchant.

**TORQUAY.**—H. Mayne, 13 Wellswood Place; Wm. B. Smale, 31 Fleet Street—nurserymen.

**TRURO.**—Hosken, Trevethick, Polkinhorn & Co., Ltd., agricultural merchants.

**WIGAN.**—Bell & Son, seedsman, 64 Market Street.

### Consideration of Applications.

**BIRKENHEAD.**—The Town Council has decided to issue licences. The local Chemists' Association and also individual chemists sent in objections.

**BLACKBURN.**—At the meeting of the Town Council on June 3, the Watch Committee recommended that the application of Mr. J. E. Freeman, 10 New Market Street, be granted. Mr. J. W. Carter moved that the committee's recommendation be referred back for further consideration, on the ground that it would be very difficult to show that sufficient facilities did not already exist in Blackburn. The motion was carried.

**BOURNEMOUTH.**—The Finance Committee reported adversely on two applications from florists. Inquiries showed that the preparations for the sale of which the applications were made can be obtained from chemists' establishments within a hundred yards of each applicant's premises. An amendment to refer the matter back for further consideration was carried. It was stated that Bournemouth should be guided by the action of other large towns, and not seek to create a "monopoly." Councillor T. Tame (a retired chemist) refuted an assertion that large profits were made on this class of preparation, and urged that the proposed refusal is in the public interest.

**BURNLEY.**—After receiving a deputation of local chemists, the Town Council referred the application of Mr. C. H. Holmes, Woodbine Nursery, to a sub-committee for report at the next meeting. A memorial, signed by thirteen local chemists, was read by the Town Clerk.

**CUMBERLAND.**—The County Council has received thirty applications for licences, of which fourteen have been granted. Three additional applications from Cleator Moor, Penrith, and Haltwistle were considered on June 4, but that from Penrith alone was granted.

**DOWN.**—The Agriculture and Technical Instruction Committee of the County Council met at Belfast on July 4 to consider applications from Messrs. Hugh Dickson, Jas. Kerr, and C. A. Rourke, of Downpatrick; and J. Elliott and W. A. McMullen, of Portaferry. The Registrar of the Pharmaceutical Society of Ireland wrote explaining the licence question and drawing attention to Sub-section 2 of Section 2. The intention of the Act was clear, and any interference with the rights of qualified persons would be likely to drive them out of the country. It was hoped that the Council would decline to issue licences where the reasonable requirements of the public were already met. The clause barring publicans being read, several speakers objected to it, saying it precluded the sale of sulphate of copper for spraying purposes in the same manner as hitherto. The price of this commodity



would be raised, and also farmers could not get it on credit and would dispense with spraying. Mr. Drake said they could issue licences to eligible persons and ventilate the grievance to the Department of Agriculture. The Secretary to the Council was instructed to write to the Department of Agriculture expressing their views, and asking for a favourable reply, as the spraying season has arrived.

**EASTBOURNE.**—A deputation representative of the local Chemists' Association appeared recently before the Watch Committee to object to an application for a poison-licence by Mr. Durrant Young, nurseryman. The matter was adjourned for the attendance of the applicant.

**FOLKESTONE.**—The Town Council on June 2 referred back for further consideration the recommendation of the Watch Committee that a licence be issued to Messrs. G. & H. Clark, Ltd. The Timothy White Co., Ltd., wrote objecting to the application.

**LIVERPOOL.**—The applications before the City Council on June 2 were not, as reported in our issue last week, "refused," but were "referred back" for further consideration by fifty-three votes to twenty. Mr. Herman, in moving that the Health Committee's recommendation in favour of granting the applications be referred back to the committee, said that the requisite poisonous preparations could be obtained in the district direct from a large number of qualified vendors. The recommendation was a distinct violation of one of the principles of trade-unionism—every man to his own trade. Mr. Max Muspratt said as a large manufacturer of poisons he felt the business in poisons ought to be kept in expert hands. Mr. Muirhead in supporting the recommendation said the licence would enable the seedsmen to continue their trade, while Alderman Menlove construed the Act to instruct that licences be issued. Alderman Taggart expressed the opinion that seedsmen were as competent as chemists—(cries of dissent)—and talked about "monopoly." The Town Clerk quoted from the regulations to show that the licence had to contain a list of the poisonous articles it allowed to be sold. A question whether a licensee would be required to keep a poison-register was unanswered. At a meeting of the Health Committee on June 3 it was agreed to leave the matter over for a fortnight with a view to an attempt being made to bring the whole of the facts before the City Council.

**NEWCASTLE-UPON-TYNE.**—Three applications from seedsmen were recommended for refusal by the Sanitary Committee on June 7. Councillor Atkins introduced a deputation of brother chemists, consisting of Messrs. Clague, Owen, Wright, MacClumpha, and Layne. Mr. Clague, who acted as spokesman, forcefully urged that, on the ground of adequate present facilities, the danger of unskilled salesmanship, and the extremely deadly character of the preparations concerned, that the applications be refused. The committee evidently grasped the points, which were discussed with care. After hearing the applicants the committee, with practical unanimity, decided in favour of refusing the licences, and it is understood that the Council is to endorse the committee's decision.

**TUNBRIDGE WELLS.**—A deputation of the local Pharmacists' Association awaited upon the Watch Committee on June 3 in opposition to three applications for licences. Accompanying Mr. A. E. Hobbs, who acted as spokesman, were Messrs. G. W. Howard, S. V. Booth, J. H. Bishop, G. Bating, J. J. Webb, and A. Nicholson. The three applicants also attended, and the committee keenly cross-examined both sides for an hour and a half. The committee's decision has not yet been announced.

**WESTMORELAND.**—The Agriculture and Diseases of Animals Committee of the County Council reported that there are cases where it is desirable to grant applications.

**WHITEHAVEN.**—A recommendation for refusal of applications has been referred back to the committee. Messrs. Hunter and Bennett presented the chemists' case before the committee. The former deposed that all the chemists in Whitehaven had dealt in dips from their apprentice days, in one instance since 1849, and contended that the wants of buyers were amply met. Mr. Hunter argued that five chemists have been doing the business in dips for fifty years, and that the application was "to take our trade."

#### Applications Granted.

**BARNSTAPLE.**—J. J. Hamlin, wool merchant, Tuly Street. By a majority of eight to six.—Mr. J. T. White, in opposing the Watch Committee's recommendation to issue licences, said that all the seven chemists in Barnstaple supplied sheep-dip, and on proceeding to quote the Town Coroner, Alderman Lauder strongly protested against the question being again raised, but Mr. White, having carried his point, twitted the Alderman on not attending any of the committees on the subject.

**CAMPBELTOWN.**—Saml. Armour, J. Huie & Co., Wm. McMillan, and Wm. Reid—all ironmongers trading in Longrow. A deputation consisting of Messrs. Armour, Huie, and Reid appeared before the special meeting of the Town Council

on May 31, at which the applications were granted. Mr. Armour stated that if licences were not granted the trade would be driven into the hands of the Glasgow wool-brokers.—Mr. Reid said the chemists never stocked dips, etc., until recently.—Mr. Huie said, if ironmongers lost the trade in poisonous dips (one-fifth), they stood to lose the vending of the non-poisonous variety. The tendency was to use more poisonous dip.

**CANTERBURY.**—Finn & Sons, general warehousemen, St. Margaret's Street; G. M. Teal, florist. The Watch Committee previously twice recommended that the applications be refused, but at the third time of asking recommended their grant, "whilst still feeling that licences under the Act should not have been granted" (*C. & D.*, May 15, p. 146).

**CHELTEMHAM.**—Four applications granted (*C. & D.*, April 24, p. 641). The General Purposes Committee had recommended against issuing licences, but the Council granted them by fifteen votes to four.

**DUMFRIES.**—Jas. Payne, grocer, Friar's Vennel. An application by Messrs. Kennedy & Co., seedsmen, was held over as it was not made out in proper form. The following local chemists, Messrs. Jas. Reed, W. G. Johnstone, Low & Johnstone, R. M. Lawson, Alex. Turner, J. Lockerbie, and G. L. McGibbon, had written objecting to the granting of the applications, and Mr. J. Rutherford Hill appeared before the Provost's and Finance Committee in their support. The committee, after adjourning the matter for further consideration, reported in favour of the applicants on June 3 as above.

**LEWES.**—J. C. Kenward, 151 High Street; and S. Elphick, 18 Cliffo Street—seedsmen.

**MAIDENHEAD.**—Mr. Geo. Mattingley, bulb importer. Five local chemists pretested on the ground that they vended the requisite preparations.

**NORTHAMPTON.**—J. E. Perkins, sen. (John Perkins & Son), 52 Market Square, and John and Fredk. Perkins (Thos. Perkins & Sons), 34 The Drapery—nurserymen. The local Chemists' Association awaited on the Watch Committee, but the committee, by a majority of one only, recommended the applications for grant. Still persisting, the chemists asked to appear before the full Council, and their request was granted.—Mr. A. J. Darnell, on behalf of the chemists, pointed out that a firm of chemists actually manufactured many of the specified poisonous preparations, and quite another half-dozen vended them, in the thoroughfare where the applicants traded. He contended that in such a case it was the intention of the Legislature to restrict the sale of all poisons to chemists.—Mr. A. M. Troup, for the applicants, reviewed the recent legislation on the subject, and quoted Lord Crewe for his case. The sales by the chemists concerned of horticultural preparations were practically *nil*.

—Mr. Darnell urged that Lord Crewe's statement only applied to chemists who did not supply the requisite preparations.—In reply to Alderman Yarde (nurseryman), Mr. Rolfe (Messrs. Jeyes & Co., chemists) said his firm had sold poisonous horticultural preparations since 1810.—Councillor S. Collier moved that the report be referred back in order to enable the Town Clerk to get information as to the meaning of Section 2, adding that, if his knowledge of the English language served him aright, it is clear that licences should not be issued in Northampton.—Councillor Beattie supported the committee's recommendation on the ground of "inconvenience."—Alderman Yarde said the chemist was not the proper person to sell such poisons, since he could not advise the customer as to their use. The discussion lasted two hours, and the committee's recommendation was carried.

**NOTTINGHAM.**—Armitage Bros.; E. Steward, 16 Market Place; J. M. Stewart, 57 Carrington Street; F. Yates, 22 Pelham Street—all seedsmen. The Health Committee left its decision to the City Council as the voting was equal. Dr. Dabell, who presented the report on June 7, moved that the applications be refused on the ground of creating a precedent, since if licences were issued any seedsmen would be justified in asking his application to be granted. It was also unwise to increase the facilities for obtaining these powerful poisons. Sir John Turney said the chemists presented a weak case, as only six "out of the many hundreds" were selling the required preparations. [The medical officer reported to the Health Committee that six chemists near the Market Place (*i.e.*, in the neighbourhood of the applicants) vended the particular poisonous substances.] The applications were granted by a large majority.

**OXFORD.**—L. McGreal, 37 The Market; Amy F. Pike (Gees', 61 Banbury Road), and Robt. K. Tucker, 14 Magdalen Street and 16 George Street—seedsmen.

**SALISBURY.**—E. J. Brittan, 122 Fisherton Street; Kernes, Williams & Co. Bridge Street; J. Rawlings & Son, High Street—nurserymen, etc.; Main & Sons, seedsmen, Market Place. The local chemists filed a petition objecting to the issue of licences.

**SHEFFIELD.**—Our correspondent writes: The Sheffield Pharmaceutical and Chemical Society have lost the second round in the battle over the granting of licences. At a meeting c.



the Watch Committee the question of these licences, which had been referred back by the Council, was further considered, and correspondence from certain members of the Sheffield Pharmaceutical Society was read. A deputation from the Society also attended and stated its views on the matter, but without avail, the committee deciding to recommend that licences be granted to Wm. Atkinson, managing director, acting for and on behalf of Fisher, Son & Sibray, Ltd., nurserymen, etc., at 4 Market Street; Brooke Bray, a partner in the firm of Brooke Bray & Sons, nurserymen, etc., at 344 to 350 Sharrow Vale Road; and to Jean Annie Pierson, a partner in the firm of J. A. & M. E. Pierson, florists, at 132 Barker's Pool. At the Council-meeting on Wednesday afternoon, June 9, Councillor Simpson moved an amendment to the minutes of the Watch Committee, submitting that there are sufficient facilities in the neighbourhood. Councillor Neal supported, whereupon Councillor Appleyard and Councillor Cattell spoke for the committee, and Sir William Clegg said that he had been converted since he entered the chamber to the views of the committee, though he had prepared notes against their recommendation. Thus the amendment was lost and the licences granted.

WIMBLEDON.—D. S. Thomson & Sons, The Nurseries, Woodside, and Jas. Nash, 11 High Street. The Watch Committee had recommended the grant of the applications. A deputation of local chemists had appeared before the committee. Letters of objection had also been received from the following chemists: Messrs. F. T. Bowen, W. J. Does, W. Bowden, H. Knight, and R. Blanchford.—Alderman Hamshaw argued that it was a question of mixing trades, and said that the Council were encouraging the licensee to go outside his own trade. There were restrictions in the Act which seemed to have been ignored.—A motion to refer the recommendation back to the committee was defeated by fifteen votes to two.

WINCHESTER.—E. Hillier & Sons, 95 High Street; C. W. Breamore, 120-140 High Street; Jeffery & Co., St. Peter Street; H. S. & S. Frampton, 41 Jewry Street. The General Purposes Committee reported favourably on the applications after considering objections by local chemists, on whose behalf Mr. A. E. Chaston appeared before the committee.—On the resolution coming before the City Council for confirmation, Councillor Holdaway asked whether the licences had not already been granted to the above applicants contrary to the regulations and without consulting the chemists. Also, why was Winchester so anxious to issue licences?—The Town Clerk, in replying, said the resolution before the Council was simply one of a technical nature to put the matter (regarding statutory notice) right.—Several members of the Council expressed opinions to the effect that "they were bound in common justice to confirm the licences" and "not to deprive the applicants of their licences through a technical error." The committee's resolution was confirmed on the Council agreeing to reconsider the matter when the licences came up for renewal.

#### Applications Refused.

CASTLE DOUGLAS.—The applications of Mrs. Harriet Davidson, Messrs. R. C. Brown, McGuffog & McDonald, and A. D. Dobie, ironmongers, and Mr. John Baker, commission agent, came before the Town Council on May 29. Mr. J. R. Saunders, solicitor, who appeared on behalf of four local chemists, said he did not speak in the interest of trade rivals but to assist in the carrying-out of the intentions of the Act. He had never been able to find any reason why an ironmonger should sell sheep-dip except an enterprising one began to sell a non-poisonous dip and then illegally vended the poisonous variety afterwards. He believed no town of the same size (population 3,000) in Scotland had as many chemists as Castle Douglas, and it could not be fairly urged that the public demands were not reasonably met. The Provost, saying he had no difficulty in the matter, spoke about "trade protection" and "monopoly," and to a reply by Mr. Saunders said he had no right "to dictate my duty" and that "it is quite legal to grant the licences." Mr. Saunders pointed out one of the applications (by a firm) was not in order. The Provost said it could be remedied. On a division the applications were refused by five votes to three. [By irony of fate the issue of the "Kirkcudbrightshire Advertiser" of June 4, which publishes a report of these proceedings, contains an advertisement of the Kelvindale Chemical Co. *re* Pharos sheep-dips and weed-killer, addressed to "Ironmongers, seedsmen, and merchants," stating that "Poisons Bill now passed . . . permitting you to retail Agriculture (*sic*) and Horticultural Poisons."] ]

GRIMSBY.—Geo. Todd (Pennell & Sons, seedsmen). Old Market Place, and Jos. L. Robinson, nurseryman, Bull Ring. The Watch Committee, after receiving deputations from the local Chemists' Association and the applicants, recommended that the applications be granted. After a long discussion the applications were refused by sixteen votes to twelve. Mr. John Barker, solicitor, stated the chemists' case before the Council.

WARRINGTON.—Thos. Pierpoint, seedsman.

#### Fees Fixed.

BIRKENHEAD.—Licence 10s. 6d.

FOLKESTONE.—Grant 10s. 6d.; renewal 2s. 6d.

LEWES.—Licence 5s.

NORTHAMPTON.—Grant 10s. 6d.; renewal 1s. 6d.; inspection of, or copy from, register 1s.

SALISBURY.—Licence 2s. 6d.; renewal 1s.

WESTMORELAND.—Licence 10s. 6d.; renewal 1s. 6d.

WINCHESTER.—Licence 5s.; renewal 2s. 6d.

#### Licensing in Liverpool.

Since the Council's action in referring back the Health Committee's recommendation (p. 902) much paper and printer's ink has been used in controversial comment. The "Liverpool Post" announces that Alderman Taggart has "discovered a reply to the question which remained unanswered on Wednesday," and at a subsequent meeting of the Health Committee that individual stated he thought "that uncertainty had largely affected the vote of the Council." Mr. G. V. C. Last, Hon. Secretary of the Liverpool Chemists' Association, has written to the "Liverpool Post" refuting Alderman Taggart's remark in Council that "seedsmen had not been acting illegally in selling weed-killers." Sir Edward Evans, in the "Liverpool Courier" on June 6, says: "In no way was it intended that the Act was for the express purpose of licensing seedsmen," and then quotes Subsection 2. Sir Edward also states that "the public need not be afraid but that their interests will be protected by the usual competition, and I consider the recent action of the Council is more than justified." Mr. J. Lytze, Hon. Secretary of the Horticultural Traders' Defence Union, Liverpool, writes in reply to Sir Edward on June 8 hinting that Mr. Herman and Mr. Muspratt had designs when they furnished no answer to the question *re* poison-registers. [Various Town Clerks and presiding chairmen have taken exception to questions or answers which might imply that they were not aware of the provisions of the Act or the regulations under it. At Castle Douglas the Provost informed the chemists' solicitor that "he knew the Act quite as well as you."—ED.] Mr. Lytze quotes from the Departmental Committee's report and gives Regulation 2 to show that Sir Edward's statement cannot "be possibly justified." Letters from Sir Edward Evans, Dr. C. Symes, and Mr. A. E. Breeze (Birkenhead) appear in the "Liverpool Echo" on June 7, the last two showing that it was not the intention of Parliament that licences should be issued except in sparsely populated districts. Mr. L. Moreton Parry, writing to us on the subject, states that it is many years since a resolution of the Health or any other committee was "referred back" for reconsideration by such a startling majority, and much credit is due to Councillor Pharmacist Herman for his plucky stand in face of such fierce and determined opposition. The ground had been carefully worked. Previous to the meeting each Councillor had been circulated by every pharmacist in his ward. In these days of policy and votes the force of numbers and election majorities even count for more than the rights of the individual and the justice of a cause. The success of the scheme proves to the hilt his contention that the only hope for future justice rests on an aggressive policy. Mr. Parry adds that it is understood that the Deputy Town Clerk advises that "the Government will compel the Council to grant licences."

#### Information Wanted.

Inquiries for the names and addresses of manufacturers, or other trade information, not traceable by reference to the advertisement-pages of "The Chemist and Druggist" and the "C. & D. Diary," or not filed in our private register, are inserted here free of charge. Postcard or other replies to any of the subjoined inquiries (addressed to the Editor "The Chemist and Druggist," 42 Cannon Street, London, E.C.) will be esteemed.

69/22. Source of supply of "Peroxodont."

67/3. Source of supply of Bishop's fly-papers.

70/15. Makers of Newton Mason's cough linctus.

65/57. Makers of nickel-plated shaving-stick boxes.

70/68. Actual manufacturers of transparent teats and soothers.

72/7. Source of supply of "Essence of Louvres"—preparation for the hair.

69/6. Where can fresh woad be obtained? (The inquirer understands that it is grown in Perthshire.)

50/37. Dr. Shoemaker's ointment for in-growing toenails: what is it, or, if a proprietary article, where can it be obtained?



## Legal Reports.

### Trade Law.

**"Lawson-Tait" as a Trade-mark.**—The Comptroller-General of Trade-marks having refused the application of the Whitfield's Bedsteads, Ltd., to register the words "Lawson-Tait" as a trade-mark for bedsteads, Mr. Justice Eve on June 9 heard an appeal and directed that the mark should be registered as being distinctive of bedsteads in which the middle part is made in one piece. In the course of the hearing it transpired that in 1881 Mr. Lawson-Tait, F.R.C.S. (who, it will be recalled, was a noted gynaecologist in Birmingham, authorised the predecessors of the applicants to use his name as a trade-mark in connection with their bedsteads. The applicants have since used the name "Lawson-Tait" as a trade-mark, and it has become identified with their goods to such an extent that it is now and has for some time past been a distinctive mark of their bedsteads not only in the United Kingdom but abroad. By an agreement of September 29, 1898, the applicants agreed to pay to Mr. Lawson Tait, his executors, or administrators, a royalty of 2*d.* on every bedstead of the pattern known as the "Lawson Tait" sold by them. The royalty was paid to Mr. Tait until his death in 1899, and afterwards to his widow.

### Pharmacy Act, 1868.

#### AN ASSISTANT FINED.

At the Grimsby County Court on Tuesday, before Judge Moss, of the Welsh Circuit (who had exchanged with Judge Sir G. Sherston Baker, Bart., for June), John Cook, assistant with Messrs. Carter, White & Co., Ltd., of Cleethorpes, chemists and druggists, was sued by the Pharmaceutical Society to recover certain penalties under the Act. Defendant did not appear. Mr. Harry Wray, of Hull, on behalf of the Society, stated that defendant was alleged to have sold a certain cough-mixture containing a scheduled poison. He was not registered, and therefore, being unqualified, was liable to a penalty of 5*l.*, and this amount, having regard to the public interest, the Pharmaceutical Society now sued for in full.

Mr. Foulds, an inquiry agent of the Society, stated that last month he called at the shop and asked for a certain cough-mixture according to the prescription he handed in, which contained laudanum as one of the ingredients. Defendant made it up and handed it to witness, who paid for it.

His Honour: Did you tell him you were going to send it for analysis?—Witness: No, I did not.

His Honour: Why not?—I had no instructions from the Society to that effect.

His Honour: I think it is a very improper thing not to have done so. How was he to know that the contents of the bottle had not been tampered with?—I simply carried out the usual practice.

Mr. Thomas Tickle, Ph.C., F.I.C., of Exeter, stated that he had analysed the mixture, which he found to contain opium. If the contents of the bottle were taken at one dose the consequences would prove fatal.

His Honour: While I consider that these proceedings are very proper on the part of the Society, as the public cannot be too much protected against unqualified assistants, I do think, however, it would be wise for the person who is caught by a trick—but not an unfair trick—to be given the opportunity of having the contents of the bottle analysed jointly with the analysis of the public analyst. The Act does not provide for this being done, I know, but that is my opinion.

Mr. Wray: I will take care that your Honour's remarks are brought before the notice of the Pharmaceutical Society.

His Honour: I give judgment for the Society for the full 5*l.* penalty claimed, together with costs.

## Deed of Arrangement.

FROST, GEORGE, 42 Elton Street, Lower Broughton, and WALTER COWAN, 157 Radnor Street, Hulme, Manchester (trading as G. Frost & Co., 42 Chapel Street, Salford), chemists' sundriesmen. Trustee, G. H. Lawton, 14 Brown Street, Manchester. C.A. dated May 29; filed, June 5; liabilities unsecured, 396*l.*; estimated net assets, 100*l.*

## Bankruptcy Report.

*Re* WILLIAM CUTHBERT VEITCH, trading as T. D. Veitch & Son, Pharmaceutical Chemist, Cheapside, Shildon, Durham.—The following are creditors in this matter: Ayrton, Saunders & Kemp, Ltd., Liverpool (18*l.*); Bleasdale, Ltd., York (12*l.*); Nicholas H. Coates, Bishop Auckland (50*l.*); Hill, Evans & Co., Ltd., Worcester (12*l.*); Thos. Swales, Leeds (11*l.*); Thos. D. Veitch, Bishop Auckland (161*l.*); Thos. Wilkinson, Shildon (20*l.*); Watson & Co. and Thos. Wilkinson, Bishop Auckland (11*l.*).

## Gazette.

### The Bankruptcy Acts, 1883 and 1890.

#### RECEIVING ORDER.

BAINES, EGERTON CHARLES AUGUSTUS, Henley-on-Thames, surgeon.

#### ADJUDICATIONS.

BOURNE, EDMUND KEMP, Eynsham, Oxford, late Kenilworth, doctor of medicine.

O'CONNOR, WILLIAM MOYLE FREDERICK, St. James's Court, London, S.W., physician and surgeon.

#### Liquidations.

GENERAL AERATION Co., LTD.—To be voluntarily wound up. Liquidator, Mr. Paul Ewens, 5 Austin Friars, London, E.C.

HARTLEPOOL'S WOOD DISTILLING Co., LTD.—To be voluntarily wound up. Liquidator, Mr. J. T. Heppel, West Hartlepool. Meeting of creditors at Messrs. W. T. Walton & Sons' Offices, Scarborough Street, West Hartlepool, on June 11, at 11 A.M.

## New Companies and Company News.

The letters P.C. mean Private Company within the meaning of the Companies Act, 1907, and R.O., Registered Office.

EATON TELEPHONE DISINFECTOR Co., LTD. (P.C.).—Capital 500*l.*, in 1*l.* shares. The first directors are H. Cohen and F. L. Cohen. R.O., 36 Jewin Street, E.C.

BRISTOL ELECTRO-CHEMICAL Co., LTD. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To carry on the business of manufacturers of and dealers in carbide of calcium and other chemicals and apparatus, machines or plant for the utilisation thereof, etc.

SCRUBB & Co. (FRANCE), LTD. (P.C.).—Capital 5,000*l.*, in 1*l.* shares. Objects: To acquire the French branch of the business of Scrubb & Co., Ltd., and to carry on the business of chemists, druggists, drysalers, etc. The first directors are A. S. Albert, W. H. Francis, G. B. Francis, and H. B. Gross. R.O., 150 York Road, Lambeth, S.E.

CARBIDE TRADING Co., LTD. (P.C.).—Capital 20,000*l.*, in 1*l.* shares. Objects: To carry on the business of dealers in carbide of calcium and by-products and chemicals of all kinds, etc. The first subscribers are A. E. Barton and H. Rosenbaum, Winchester House, E.C., merchants. R.O., 276 Winchester House, Old Broad Street, E.C.

ALMORA, LTD. (P.C.).—Capital 3,000*l.* Objects: To adopt an agreement with L. Lambert and to carry on the business of manufacturers and vendors of patent medicines, drugs, pharmaceutical and other preparations, etc. The subscribers are L. Lambert, 132 Finsbury Pavement House, E.C., director, and J. W. Maxwell, 21 Ismailia Road, Forest Gate, secretary.

WATSON, PLAISTOW, LTD. (P.C.).—Capital 500*l.*, in 1*l.* shares. Objects: To acquire the leasehold premises at 103 Woodgrange Road, Forest Gate, E., to adopt an agreement with Ada M. A. Offord, and to carry on the business of chemists, druggists, stationers, haberdashers, etc. The first directors are T. Heathcoat, 13 Longley Road, Tooting, S.W., chemist and druggist; T. H. Offord, 45 Terrace Road, Plaistow, wholesale chemist; and E. Watson, 100 Mitcham Road, Tooting, S.W., chemist.

CAPSULOIDS (1909), LTD.—Capital 75,000*l.*, in 5*s.* shares. Objects: To adopt agreements (1) between the Capsuloid Co., Ltd., of the one part and J. R. Winstone (for the company) of the other part, for the acquisition of the right, title, and interest of the said company in the British Isles, Europe, Asia, Africa, Australia, South America, and the West Indies, and (2) with G. E. Dixon for the benefit of certain special contracts for supplying materials for use in manufacturing certain



proprietary medicines, together with the right, title, and interest of the said G. E. Dixon in such medicines and articles in the aforesaid countries, and to carry on the business of manufacturers of and dealers in proprietary and other medicines, drugs, chemicals, surgical instruments and appliances, chemists, druggists, etc. Minimum cash subscription, if shares be offered, 7½%; if debentures, 100%. The first directors are G. E. Dixon, chairman and managing director (managing director and chairman of Capsuloids Co., Ltd.), and E. E. Judson (director of Taylor's Drug-stores, Ltd., Leeds), 5 Midland Road, Hyde Park, Leeds (since dead). Remuneration of G. E. Dixon, 900% per annum until 20 per cent. dividend is paid, and a further 100% for every 1 per cent. dividend paid above the said 20 per cent.; of other directors, 150% each per annum. Total purchase consideration, 54,100% (payable as to 5,100% in cash and 49,000% in shares); the Capsuloid Co. receives 5,100% in cash and 19,800% in shares; and the said G. E. Dixon receives 29,200% as vendors. Copies of contracts may be inspected at 16 King Street, Cheapside, E.C., between 11 o'clock and 4 o'clock (except on Saturdays). R.O., 47 Holborn Viaduct, E.C. [On February 20 we reported the registration of Capsuloid Proprietaries, Ltd., with capital of 100,000%. We understand that owing to an informality the above registration has become necessary.—EDITOR C. & D.]

G. B. KENT & SONS, LTD.—A dividend of 5½ per cent. has been declared on the preference shares for the half-year ended March 31.

A. J. WHITE, LTD.—The report for the year ended March 31, 1909, states that the net profits for the year amount to 31,274%. After bringing forward 7,640% and paying the preference dividend, amounting to 50,000%, there remains a balance of 8,914%, which the directors propose shall be carried forward.

CLAYTON ANILINE CO., LTD.—The accounts for the year ended April 30, including 794% brought down, show a net profit, after providing for depreciation, of 8,082%. The directors recommend a dividend of 4 per cent. and the transfer of 150% to the sinking fund for contingent liability on the preferred shares, leaving 647% to be carried forward.

STEPHEN SMITH & CO., LTD.—The annual report states that it has been considered necessary to increase the reserve account by placing to the credit thereof 6,038%, which brings the account up to 14,000%. The directors recommend a dividend of 10 per cent. for the year on the ordinary shares (of which 5 per cent. has already been paid ad interim), leaving 1,576% to be carried forward. The annual meeting is to be held on June 17.

INTERNATIONAL SPONGE IMPORTERS, LTD.—The annual meeting was held on June 7 at Winchester House, London, E.C., Mr. G. S. Marks (chairman of the company) presiding. In moving the adoption of the report and accounts (*C. & D.*, June 5, p. 852) the Chairman referred to the defalcations mentioned in the report, adding that the loss and closing of the Brussels branch has amounted to 8,242%. Mr. Edgar Cohen, in seconding the resolution, said he did not fear there would be the slightest loss by closing the Cologne branch. The resolution was carried unanimously. An extraordinary general meeting was afterwards held, at which resolutions were passed accepting the offer of the directors to surrender 10,470 ordinary shares of 1% each fully paid and reducing the capital of the company accordingly.

SANTAS CO., LTD.—The annual report states that the balance to credit of profit-and-loss account, after making provision for bad and doubtful debts, repairs to plant and machinery, advertising and other charges, and adding the amount brought forward from last account amounts to 18,473%. From this sum 3,515% has been paid as an interim dividend, leaving, after payment of income-tax, directors' fees, and interest on debentures, a balance of 13,023%. The directors recommend the payment of a final dividend of 4½ per cent. and a bonus of ½ per cent. (making, with the interim dividend already paid, a total distribution of 7½ per cent. for the year), to place to reserve the sum of 2,000%, to contingency account the sum of 1,500%, and to carry forward 2,493%. The annual meeting is to be held on June 16.

MORTGAGES AND CHARGES.—The following have been filed at Somerset House: *Charles Massey & Son, Ltd.* Issue of 300% debentures on May 19.—*Lady Blount's Medical Aid Society, Ltd.* Issue of 250% debentures on April 24.—*Schweppees, Ltd.* Particulars of 200,000% "A" debenture stock (as increased on May 7, 1909, from 100,000% created August 31, 1903), the amount of the present issue being 60,000%. Property charged: Freehold premises at Hendon, Liverpool, Colwall, Great Malvern, Bristol, Glasgow, Sydney, Collingwood (Victoria), Hammersmith, and Natal, and the goodwill, trade-marks, and assets of the company, present and future, including uncalculated capital. Trustees, Debenture Securities Investment Co., Ltd.

## Births.

HUNTER.—At 150 Cornbrook Street, Old Trafford, Manchester, on June 2, the wife of John R. Hunter, pharmacist, of a son.

WATSON.—At Rosemount, Knock, on May 31, the wife of J. Watson (Messrs. John Watson & Co., wholesale druggists, 52-56 Donegall Street, Belfast), of a son.

## Marriages.

BAIN-INGLES.—At Darling's Temperance Hotel, Edinburgh, on June 2, by the Rev. Robert John Paul, B.D., James Bain, chemist and druggist, Hawick, to Sarah Ingles, Crown Temperance Hotel, Coldstream.

BAIRD-WALKER.—At Craigievar, Saltscoats, on June 3, by the Rev. J. Adams, M.A., assisted by the Rev. J. Kirkland Cameron, John M. H. Baird to Agnes Preston, younger daughter of Mr. James Walker, chemist and druggist, Saltscoats.

CLARK-HORSFALL.—At Heckmondwike, on June 1, Herbert Edwin Clark, chemist and druggist, Holme Dale, Leicester, eldest son of Mr. Herbert Clark, Sunnyside, Heckmondwike, to Maggie Gertrude, youngest daughter of Mr. T. H. Horsfall, The Mount, Heckmondwike.

DEANE-BARLTROP.—At St. Andrew's, Highgate, London, N., on June 5, Harold Deane, B.Sc., F.I.C., pharmaceutical chemist, of St. Olave's, Sudbury, Suffolk, son of the late Mr. James Deane, pharmaceutical chemist, of Clapham Common, to Georgina Elizabeth Barltrop, pharmacist, youngest daughter of Mr. Edwin John Barltrop, The Avelings, Walthamstow.

HUTCHISON-BAINE.—At St. Enoch Station Hotel, Glasgow, on June 8, by the Rev. Millar Patrick, M.A., Perth, and the Rev. J. W. Girvan Law, Stephen Hutchison, Dunfermline, to Ellie Fulton, elder daughter of the late Mr. John A. Baine, chemist, Greenock.

LEES-BRODIE.—At 535 Alexandra Parade, Glasgow, on June 3, by the Rev. J. Anderson Watt, assisted by the Rev. John Lewars, M.A., Robert Hart to Mary McIntosh, elder daughter of the late Thomas Brodie, wholesale druggist, Glasgow.

## Deaths.

BURKE.—At Canterbury, on May 23, Mr. William Dixon Burke, chemist and druggist, aged thirty-one.

DICKINSON.—At Blackpool, on May 24, Mr. James Hepburn Dickinson, chemist and druggist, aged seventy-seven.

EDWARDS.—On June 1, Mr. Frank Edwards, for many years travelling representative for Messrs. Evans, Gadd & Co., Ltd., wholesale druggists, Fore Street, Exeter.

JUDSON.—At 5 Midland Road, Hyde Park, Leeds, on June 4, Mr. Edward Ewbank Judson, secretary of Taylor's Drug Co., Ltd., aged fifty. Mr. Judson served an apprenticeship with Messrs. Bleasdale & Co., of York. He joined Taylor's Drug Co. as cashier, and became a director and secretary when the firm was converted into a limited liability company. At the funeral on June 7 many of his co-directors and commercial *confrères* attended in token of their esteem.

MASON.—At Birch Cottage, Brindle, near Chorley, on June 8, Mr. William Brandwood Mason, chemist, aged fifty-one. The deceased gentleman was until recently in business at 117 Derby Street, Bolton.

NEWMAN.—At Bristol, on May 24, Mr. Robert Newman, chemist and druggist, aged eighty-four.

BOARD OF AGRICULTURE AND FISHERIES.—Leaflets recently issued by this Board are on Larch-shoot Moths (208); Agricultural Credit Banks (214); Glanders and Farcy (219); Agricultural Holdings Act (220).



## Personalities.

MR. JOHN FREDERIC HARRINGTON, the new President of the Pharmaceutical Society of Great Britain, has been a member of the Council of the Society since December 1898, when he was co-opted to fill the vacancy created by the retirement of the late

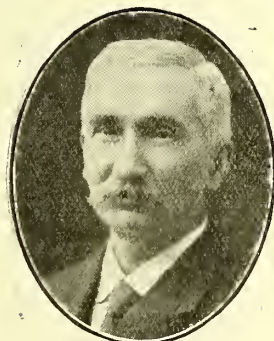


MR. HARRINGTON.

Mr. Robert Hampson. Mr. Harrington has the distinction of being the first "Minor man" to obtain a seat on the Council. He was appointed Vice-President in February 1907, in succession to Mr. J. Rymer Young, who had in the previous month been elected President after Mr. R. A. Robinson retired. Mr. Harrington had experience of agricultural business at Rochford with his father, who had a good business there, and, after passing the Minor examination in March 1872, he was in business as a chemist and aerated-water manufacturer at Southsea

for nearly twenty years. Then he bought the pharmacy at 45 High Street, Kensington, London, W., which he has carried on since. During the past few years he has given a great deal of his time to the Society's work, and has frequently taken the place of the President at evening meetings. He is a well-liked man, genial, non-combative but firm, and a Mason.

MR. WILLIAM LITTLE CURRIE, the new Vice-President of the Pharmaceutical Society, is the first Scots representative to attain that honour. He is a native of Blairgowrie, Perthshire, and in 1870 was apprenticed to the late Dr. A. M. Robertson, Glasgow, with whom he remained seven years.



MR. CURRIE.

Then he had a year's experience in the wholesale, and took temporary work while he prepared for the Minor examination, for which purpose he attended the Glasgow University classes in botany, chemistry, and materia medica for one summer and two winter sessions. Sir William Ramsay was at that time assistant to the professor of chemistry, and Mr. Currie had the advantage of six months' practical work under him. He passed the Minor examination in April 1880, and shortly after became assistant to the late Mr. James Purdie, at 223

Byres Road, Dowanhill, Glasgow, whose business he ultimately acquired and has carried on so successfully. Mr. Currie has always been a good worker in pharmaceutical matters, having been early inculcated by Dr. Robertson, his apprentice-master. He was President of the Glasgow Pharmaceutical Association from its resuscitation in 1892 until 1905, when he retired and received a gift of silver plate from his *confrères*. He was elected to the Executive of the North British Branch in 1893, and was its Vice-Chairman for four years. He stood for the Council in 1903, and was eighth on the poll. When Mr. A. L. Savory retired a month later, Mr. Currie was co-opted (July 1903) to take his place, and there he has been by re-election ever since. He has been absent twice only from the meetings during six years, the second time being last month on account of bereavement. Mr. Currie has been Chairman of the Federation of Local Pharmaceutical Associations since 1901, and an active member of it since its foundation in 1893. Thus he is one of the best-known men in British pharmacy.

MR. ERNEST O. JAMES, who has been with Messrs. North & Rae, Ltd., chemists and druggists, Yokohama, during the past four years, is now on his way home *via* Canada and the United States. He expects to be in London in September for the purpose of securing agencies, as he proposes to return to Japan as a wholesale importer of drugs and chemicals.

MR. ROBERT A. CHESEBROUGH, President of the Chesebrough Manufacturing Co., has retired from that position and has been succeeded by his nephew, Mr. Oswald N. Cammann. Mr. Chesebrough was born in England of American parents seventy-two years ago, and began the refining of petroleum in 1858. It was in 1870 that he perfected and patented the first process for the production of vaseline.

DR. E. M. HOUGHTON, who was appointed last week, as a U.S.A. representative, to occupy the chair at one of the sessions of the Pharmaceutical Section of the International Congress of Applied Chemistry, is chief of the Biological department of Messrs.

Parke, Davis & Co., Detroit. He is a medical graduate of the University of Michigan, Ann Arbor, where, after graduation, he acted as demonstrator in the materia medica and therapeutics department, then presided over by Professor A. R. Cushny, M.D., who has since returned to this country as Professor of Pharmacology at University College, London. Professor Cushny was consulted by Messrs. Parke, Davis & Co. when they established their biological department, and on his recommendation Dr. Houghton was charged with its equipment and working. It was he who first made the physiological testing of ergot a commercial possibility, and in 1895 he first employed physiological tests to determine the activity of the heart tonics—digitalis, strophanthus, squill, and convallaria.



DR. HOUGHTON.

MR. CYRIL N. SEEDHOUSE, son of Mr. W. Seedhouse, chemist, Newmarket, at Leighton Buzzard on Whit Monday took first honors in the half-mile flat handicap (open) and won a silver cup. This follows up Mr. Seedhouse's success at Bury St. Edmunds on Easter Monday, when he won the 111 yards open and the 440 yards open, the prizes being a gold watch and a marble clock. He has now won about forty prizes and medals for running, swimming, jumping, etc. Mr. Seedhouse is studying dentistry as a pupil of Mr. J. T. Hoare, Goswell Road, London.

## Business Changes.

Properly authenticated business notices (not being advertisements) are inserted in this section free of charge if promptly communicated to the Editor.

MESSRS. H. LANGE'S SUCCESSORS, LTD., have removed from 21 Little Portland Street, to larger premises at 58A Wells Street, Oxford Street, London, W.

THE CHEMISTS' CO-OPERATIVE WHOLESALE intimate that they have secured new premises in the City which will replace their present postal address in Camomile Street. Some particulars are given in their advertisement this week.

MR. W. G. WEDDLE, chemist and druggist, of 139 Kingsley Road and 1 Tiber Street, Liverpool, will shortly open another pharmacy in Liscard Road, Egremont, a newly developed estate on the Cheshire side of the Mersey.

MR. JAMES MAVOR, chemist and druggist, Crewe, having purchased the businesses of Mr. Cope and Messrs. Sutcliffe & Co., both of High Street, Tunstall, is to concentrate them in Mr. Cope's shop, which has been opened after six weeks' repairs. In a characteristic circular, Mr. Mavor says: "The prices are so cheap that we had to buy the two businesses before we could compete and make one living."



## Westminster Wisdom.

A Record of Parliamentary Progress.

### CHEMISTS' ASSISTANTS AND THE SHOP-HOURS BILL.

At the Home Office on Tuesday afternoon the Home Secretary received, in response to the invitation which he addressed to the members of the Union some time ago, a deputation from the National Union of Assistant Pharmacists in regard to the Shop-hours Bill which, as already stated in the *C. & D.*, the right hon. gentleman proposes to introduce in the House of Commons before very long. The interview on Tuesday was one of a long series which Mr. Gladstone or his Parliamentary Under-Secretary (Mr. Herbert Samuel, M.P.) has been giving during the past few weeks to the representatives of the various trades likely to be affected by the proposals of the Government. The interview was fixed for 12.45 p.m., but it was 1.15 before the interview commenced, a deputation from another trade having occupied Mr. Gladstone's time longer than was expected. The discussion took place in private, Mr. Gladstone desiring that the proceedings should be conducted with the utmost informality and with as much freedom as possible. Mr. Herbert Samuel was unable to be present, but the Secretary of State was accompanied by several of his departmental officials. It was expected at one time that representatives of the Army and Navy Stores and of Messrs. Boots, Ltd., would have been present at the interview, but they were not. The deputation was headed by Mr. J. Smith (Birmingham), Vice-President of the Union, and also included Mr. V. Bottomley (Bristol), Hon. Treasurer, Mr. E. S. Francis (Birmingham), Mr. E. Hill (Bradford), Mr. J. A. Sharpe (Bristol), Mr. J. Bullen (London), Mr. L. S. Woolff (London), and Mr. T. Hockin. Mr. Smith formally introduced the deputation, after which Mr. E. S. Francis made a statement on behalf of the Union. In this he stated the case for the inclusion of assistant pharmacists in the proposed Shop-hours Bill. He intimated that they based their plea on the justice of their demand as shop-workers to be included in the Bill, and having regard to the special duties of their calling as pharmacists. Taking as their precedent the provisions of the Transvaal Act of last year, which had already become law, they suggested that the proposed Bill should assure for assistants in chemists' shops a normal total working week of sixty hours, including meal-times, and, as a special provision for chemists and druggists, three additional hours for special duty to be arranged to meet the requirements of individual localities. This special duty was to be optional in all cases, and any additional duty in excess of the three hours provided was to be reckoned as part of the sixty hours. A general discussion ensued in which various members of the deputation explained certain points to the Home Secretary, who evinced the greatest interest in the proposals put forward by the deputation. In the end the Secretary of State, who had received the deputation sympathetically, promised to give the whole of the arguments which had been submitted to him his careful consideration.

The deputation then withdrew, the interview having lasted about three-quarters of an hour. The deputation writes our Parliamentary representative, were well satisfied with the result of their interview with the Home Secretary. There is reason to believe that the Government Bill will proceed on the lines of that introduced by Sir Charles Dilke, and that when its contents are made known it will be found to embody the main principle of a sixty hours' normal week, with three additional hours, to fall on a half-day in the week, according to local requirements, and on the Sunday. The proposal put forward by the deputation was to close at nine o'clock on Saturdays, instead of half-past ten, and eight o'clock on other week-days. The Bill of Sir Charles Dilke, on the other hand, proposed a seven o'clock closing three nights a week, but there is every reason to believe that this would have met with opposition at the hands of the drug trade. In any case, it is felt that when the Bill sees the light of day it will be found that special provision has been made to meet the exceptional case of chemists and druggists.

### ANÆSTHETICS BILL.

The Medical Acts Amendment Bill, which dealt with the question of the administration of anæsthetics, has now been withdrawn from the Order Paper of the House of Commons.

It is understood that another will shortly be substituted by Dr. G. J. Cooper, M.P.

### THE PETROL-TAX.

In the House of Commons on Monday, the Chancellor of the Exchequer, replying to Mr. Cathcart Wason, said he could not see his way to adopt the suggestion of imposing a tax of 1d. on all petrol used for any purpose whatever, and of making up the deficiency by a tax on all mechanically propelled vehicles. Replying to a supplementary question by the same member as to the use of petrol by private establishments for various purposes, the Chancellor said he was not convinced that it will be so difficult to differentiate as to the uses of petrol. "I agree," he added, "that there will be some difficulty. We shall be able to find out in the course of our inquiries."

### AGRI-HORTICULTURAL POISONS LICENCES.

In the House of Commons on Thursday afternoon Mr. Hayden asked the Chief Secretary for Ireland whether he was aware that in considering applications for licences under Section 2 of the Poisons and Pharmacy Act, 1908, and to assist them in their decisions, the County Councils of Ireland find it necessary to make inquiries as to whether the applicants fulfil the conditions laid down in the regulations promulgated by the Lord-Lieutenant under the Act, and as to the circumstances and needs of the locality; whether they could rely on the assistance and co-operation of the Royal Irish Constabulary in acquiring this necessary information, and if not, whether he would state what other machinery was at the disposal of the County Councils for securing it.

Mr. Birrell replied that the duty of granting licences was by the Act thrown on the local authorities, and any inquiries necessary to enable them to deal with applications should be made by their own officers. The police could not be asked to undertake the duties of the local authorities in the matter, but, no doubt, if asked they would furnish any information within their knowledge as to particular applicants which the local authorities could not otherwise ascertain.

Mr. Hayden: Is the right honourable gentleman aware that the Irish Constabulary have been ordered not to give this information to the County Councils?

Mr. Birrell: I was not aware of that. I think it is desirable that the duties of the police should not be added to, if they should not consider it any part of their duty to obtain this information. Of course, if they are in the possession of any such information they would be authorised to give it.

Mr. Hayden: But surely it is not unreasonable that they should be allowed to get the information?

Mr. Birrell: The information required is as to the character of the men—whether, in fact, they are illiterate, whether they can read or write, and what sort of accommodation they have for carrying on this particular trade. It is no part of the duty of the police, however, to supply such information.

Mr. Philip Snowden also addressed a question to the Home Secretary as to whether he was aware that many licences are being granted under the Act to persons other than qualified chemists to sell poisonous substances for agricultural purposes, and that these licences are being granted in large industrial towns where existing facilities are ample; and whether, in view of the definite statement made by the Under-Secretary of State for the Home Department on the second reading of the Poisons and Pharmacy Bill that it was not intended to license traders where the facilities of supply by chemists are ample, he will take steps to prevent wide and indiscriminate granting of licences to unqualified traders.

The question was not reached at question time, but Mr. Gladstone afterwards forwarded the following reply:

The Privy Council, which is the department concerned in the administration of the Act, informs me that there is no evidence that local authorities generally have disregarded its provisions and the regulations made under it, though it is possible that instances of such disregard may have occurred in some localities. The Act charges the local authorities with the duty of considering whether the reasonable requirements of the public are satisfied, but these requirements may not in some cases be met by the facilities given by chemists. If the honourable member knows any cases in which a grievance exists, I shall be glad if he will bring them to my notice.



## Stock-keeping Hints.

**L**IMITATIONS of space prevented us from dealing fully in our issue of May 28 with the discussion which resulted in the reading of Mr. H. Raithby Procter's paper on this subject at the meeting of the Western Chemists' Association of London (p. 834). Accordingly we give now the following helpful hints:

Mr. J. C. Shenstone pointed out that methods of stock-keeping were bound to vary according to the accommodation at the disposal of the chemist. He had found that the best way to keep and to classify photographic mounts is in an album. As each new variety of mount is taken into stock it is classified, details being marked as to where it is stocked, the price, where to be found, and so on. Seeing that a photographic chemist will stock as many as 200 different varieties, this method he found a great convenience. The stock he kept in parcels or boxes, with a reference number to that in the album. The moral effect of the display of so many varieties on the mind of a customer who is given the album from which to select his or her mount is considerable, and much time is saved. For the general stock Mr. Shenstone favoured the card-index system, and he considered the general scheme outlined by Mr. Procter a good one.

Mr. C. T. Allen said the foundation of stock-keeping is to have an index. He considered a book-index the best, and that the whole stock should be kept in one index. An absolute index of the whole of a chemist's stock of drugs, galenicals, etc., can easily be made with the help of a book such as Goddard's Price-list. That book, he thought, is now out of print, however, and a good wholesale drug-list or series of lists might be substituted. If it could be got, Goddard's is, however, the best compilation for index purposes possible. For stocking the multifarious "new remedies" the system in use by Mr. Nicholls, of Nice, he considered excellent. These remedies are stored in flat bottles labelled on the end with the name of the remedy, so that space is saved in packing on shelves or in cupboards. On the side of each bottle is another label with the chemical name of the article and its solubilities—a great convenience in dispensing. Little-used remedies of small bulk he kept in the original bottles, several together in 4-oz. lozenge boxes. Each box is labelled on the side with the contents and numbered separately for index purposes. For general stock all parcels should be abolished (particularly for printed matter) and boxes used instead. These may be obtained in any quantity from soap-makers at a cost of about 3d. per box. Mr. Allen then raised a point for the consideration of sundries houses. The technical classification adopted in sundries-lists for such things as pill-boxes is, he said, distinctly confusing, so much so that travellers themselves often do not know exactly what is meant by a "two-dram-cut-down-flanged-pink-inside." So in his father's pharmacy they had adopted a serial numbering plan for boxes, and wholesalers had been advised that when "pill-box A 1" was ordered, such and such a size was required. It would be a great convenience to chemists and to wholesalers alike if some such simple plan were made universal. Dealing with extemporaneous labelling, he advocated the use of an india-rubber parcel-pen as superior in celerity and finish to the ordinary pen or brush.

Mr. Gulliver preferred a stencil-plate for label-printing made by an Austrian firm named Pospisil. With this contrivance, which he (Mr. Gulliver) had used for some time, the whole of the alphabet is supplied in small-sized type, and one can hardly detect that the finished product is not a printed label. With regard to general indexing for stock, he did not think cards so convenient as a book, and he would prefer a loose-leaf system of indexing adapted to chemists' use.

Mr. Shenstone intimated that he had seen in a stationer's shop the other day a book made by the Kalamazoo Manufacturing Co. that seemed exactly to fit Mr. Gulliver's requirements.

Mr. C. B. Allen said he had used a book-index for stock-keeping all through his business career, and he had yet to come across a better system. Failing Goddard's Price-list (referred to by his son), the Liverpool Chemists' Price-list made a very good second as a basis for a general index. But a good up-to-date stock-book is very much wanted for the drug-trade, and any chemist retiring from business could not employ his leisure more usefully for the benefit of his craft than by compiling such a book. Besides a general stock index, a separate index is required for proprietary articles, and in his pharmacy he found it necessary to have a separate system altogether for keeping stock of "tabloid" preparations.

Mr. J. T. Barrett keeps two stock-books for the 12,000 items that constitute his stock. One book is used for chemicals and galenical preparations and the other for proprietaries. Referring to the difficulty and expense involved in keeping stock of proprietary and synthetic remedies, Mr. Barrett suggested

that chemists in districts should adopt some co-operative scheme of holding stock of the less-used preparations and supplying neighbours as required.

Mr. J. Cofman is a strong believer in the card-index system of keeping stock. He has a supply of 10,000 cards printed as follows:

SHOP					BASEMENT				
RETAIL.....					RETAIL.....				
MINIMUM					MINIMUM				
BOUGHT.					RETAIL.				
Date.	From.	Quan.	Price.	Total.	Price.	Total.	Date.	Price.	Total.

Each card measures 5½ in. by 3½ in., and the column-lines are continued on the back. In the line under "shop" is marked the position in the pharmacy where the article named is to be found. The pharmacy is cased all round in three rows. Each section of cases is lettered (for index purposes) alphabetically all round the pharmacy; each case is numbered, while each row is divided into "upper," "middle," and "lower." Even the shelves may be numbered. Thus "AU5," would mean that the article (whatever it is) will be found in section "A," upper part, in case 5, on shelf 3. The same holds good in basement or store-room. Then the name of the article is written on the line left for the purpose, below that the retail prices ("6s. lb., 1s. 9d. 4 oz., 1s. 4d. oz.," for instance), then the wholesale and "professional" prices. Details in the columns are filled in whenever an article is put into stock, and the other columns filled out for the use of branch shops. By means of this system Mr. Cofman is able not only to control stock, but to check prices when buying as well as when selling. These cards are alphabetically arranged in drawers, and Mr. Cofman uses three sets of cards (1) for drugs, chemicals, etc., (2) for sundries, and (3) for proprietaries (including his own specialities). For the convenience of stock-keeping and in order that new assistants may have no difficulty, he has a plan of the whole shop with each section, and each item in each section shown upon it. As the stock is also alphabetically arranged this makes finding a particular item comparatively easy. His assistants overlook the stock once a week.

## The Week's Poisonings.

ELEVEN fatalities, including one misadventure, have been recorded from poisoning during the week. At Streatham, cyanide of potassium was used for suicidal purposes by two brothers, Theodore (56) and Louis (48) Block, stated to be an agent and an artist respectively. The same lethal agent was used by Fredk. West, skating-rink manager, Cardiff. Dr. Buist said some "pcas" said to have been found in the deceased's mouth were sulphate of iron crystals—the antidote to cyanide-poisoning.—Lizzie Reilly, who was admitted to the Glasgow Royal Infirmary suffering from the effects of poison, died shortly afterwards. A ½-oz. phial of laudanum and a 3-oz. bottle of carbolic acid were found in her possession, both of which were partially empty.—David W. Crowther, commercial traveller, committed suicide at Huddersfield by taking carbolic acid. The same disinfectant was swallowed with fatal results by the two-year-old daughter of a Hirst miner named Richard Sanders. The infant found the bottle while playing under the bed.—Elizabeth Burgess (61), a Houndsditch servant, poisoned herself by taking spirit of salt.—The inquiry at Hammersmith into the death of a labourer named Edward Ball (56) showed that he bought two-pennyworth of spirit of salt with which to end his existence. This agent was also used at Birmingham by Samuel Truwell (43), painter, but the jury returned an open verdict.—Jane E. Wooster (50), the wife of a Seven Kings journeyman shoemaker, took nitric acid with suicidal intent. This corrosive fluid was also used for the same purpose by Elizabeth Foster (63), a Beverley housekeeper.

RESEARCH PUBLICATIONS.—The recently published papers (Nos. 86 to 92) giving the results of research in the Wellcome Chemical Research Laboratories deal with the Constituents of the Expressed Oil of Nutmeg; Chemical Examination and Physiological Action of Nutmeg; Some Observations regarding "Oleuropein" from Olive-leaves; Chemical Examination of Ornidictyon—Part II.; The Constituents of the Bark of *Prunus serotina*; the Constituents of the Rhizome of *Apoecynum androsaemifolium*, *iso-amygdalin*, and the Resolution of its Hepta-acetyl Derivative. Abstracts of the papers have already appeared in THE CHEMIST AND DRUGGIST.



## Trade Notes.

THE SPECTACLE MAKERS' COMPANY announce in our advertising columns that all letters, communications, and payments should be made to the Clerk of the Company, who alone is authorised to receive them.

IN the advertisement of Messrs. Woolley, Ltd., Blackburn, in the *C. & D.*, May 22, p. 124, the address of Messrs. Sangers, their London wholesale agents, was given as 42a Hampstead Road, instead of 258 Euston Road, N.W. Will those who are ordering please note?

"TOP NOTCH" is the name of the new brand of soda-fountain supplies which is being introduced by Messrs. Armour & Co., Ltd., Atlantic House, Holborn Viaduct, London, E.C. These articles include crushed fruits, fruits in syrup, concentrated syrups, fountain cocoa, and phosphate syrups. The company issue a price-list of them, which subscribers should write for.

CRENGOL is the new name which Messrs. Thomas Christy & Co., Old Swan Lane, London, E.C., give to quassine, an extractive horticultural preparation for spraying or syringing garden plants which are infested with green fly or the like. It is put up in 6d. collapsible tubes, and Messrs. Christy supply an attractive window-poster to advertise it. They tell us that chemists have found it sell readily when shown.

RUBBER GOODS.—List No. 25 of the Hutchinson Co., 70 Basinghall Street, London, E.C., consists of thirty pages dealing with all descriptions of indiarubber goods for chemists and druggists. Clear illustrations show the various types of articles available, and the price is quickly seen. The main sections are sponge-bags, sheeting, bathing-caps, air-cushions, water-beds, hot-water bottles, ice-bags, and rubber bandages. Chemists will find it advantageous to write for a copy.

DALLOFF TEA is a combination of herbs designed by Dr. Dalloff, of Paris, with the object of making a tisane the regular use of which reduces obesity. The "tea" is put on the market by the Dalloff Tea Co., 32 Newgate Street, London, E.C., and retails at 4s. 6d. and 8s. 6d. per packet. It is infused in the same manner as tea, and a cupful is taken twice a day at least. It seems to act by preventing the deposition of fat in the tissues.

CHILDREN AND THEIR TEETH.—In elementary schools nowadays amongst the first things that children are taught are rudimentary facts about personal hygiene, such as keeping the nails and teeth clean. The Odol Chemical Works, 59-63 Park Street, London, S.E., have done good service as regards the mouth and teeth by preparing a large card on which a series of pithy and simple facts and rules about the teeth are printed. The card also contains an enlarged section of a canine tooth, with notes, figures of the upper and lower jaws, and a slide of bacteria. There is not a word about Odol on the card, which is glazed and well suited for placing on a schoolroom wall. Our subscribers should tell their pedagogic customers that they can obtain copies on application to the Odol Chemical Works.

MR. A. PROCTOR ATKINSON, the manager of Messrs. Duncan, Flockhart & Co.'s London branch in Farringdon Road, E.C., has prominence in "System" for June. A striking portrait of Mr. Atkinson is the frontispiece to the number, and he contributes an article entitled "Handling Orders to Speed Delivery." This article tells of methods which Mr. Atkinson has devised or adopted for the purpose of getting goods out the same day as the orders are received, or by the first post or first delivery when necessary. It specially deals with (1) despatching orders received through travellers without delay, and (2) how a special invoice-form meets special conditions. We gather that the Elliot-Fisher system is employed in typing all orders, the seven copies including the invoice. Some points may probably be gathered from the article by other wholesalers.

DR. COLLIS BROWNE'S CHLORODYNE.—We have received, too late for inclusion in our correspondence pages, letters from Messrs. Neve, Beck & Kirby, solicitors, on behalf of Messrs. J. T. Davenport, Ltd., with reference to the composition of chlorodyne and the statement of Dr.

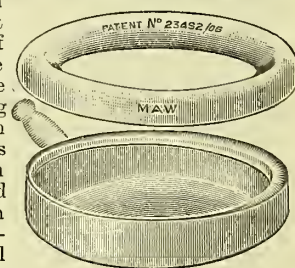
Frederick Womack at an inquest, that it contains prussic acid. In our issue of May 29, p. 838, we repeated the testimony of Mr. Horace Davenport, that "there is neither prussic acid nor any cyanogenetic constituent in the preparation." Messrs. Neve, Beck & Kirby now send us a copy of an analytical report by Messrs. Helbing & Passmore, who purchased at different retail establishments in the City two bottles of Dr. J. Collis Browne's chlorodyne, and made a careful analysis of it, with the result that they found "neither of the two bottles of chlorodyne contained the slightest trace of prussic acid nor any compound of the same." Messrs. Neve, Beck & Kirby also send us a copy of a letter which they addressed to Dr. Womack on May 28, reciting the true facts, and asking him to withdraw his statement, "which," they added, "is an injustice to our clients and calculated to do considerable injury to their business as proprietors of a medicine of high and long-established reputation." No reply has been received to this request.

Buckingham Palace, June 4.

Mr. Sigismund Kutnow has had the honour of submitting for the King's inspection the "Eureka Electric Clock," and of personally explaining the mechanism to His Majesty.—*Court Circular.*

MR. KUTNOW is the well-known proprietor of Kutnow's Carlsbad powder, and the clocks which he showed to the King are made by the Eureka Clock Co., Ltd., 361-3 City Road, London, E.C., of which company he is chairman. The clock to outward appearance is like an ordinary one, but inside there is the minimum of mechanism and no pendulum, consequently no ticking. The motive power is supplied by a small dry battery which lasts a thousand days. Two wires connect the battery with the hands, and the movement of these is controlled by a lever connecting them with a balance-wheel. There are five wheels only in the clock. The invention has been the means of opening the factory at the above address, where, among other employes, lads from orphanages are learning how to make the clocks. Mr. Kutnow hopes that a new and important British industry will thus be built up, as everything in connection with the clocks is made in this country. Each clock goes for a thousand days, then a new battery costing a shilling is put in the place of the old one. Their noiseless nature predicates that the clocks will be in demand for bedrooms, hospitals, and sick-rooms, and we think chemists can do business with them. They can get information as to terms from the company.

THE NEW BED-PAN which Messrs. S. Maw, Son & Sons, Aldersgate Street, London, E.C., have just introduced solves a difficulty which has long been a trouble to nurses—viz., the accumulation of matter under the top rim of the pan. The trouble is met in the new pan by making the top rim detachable ("comfort ring" the makers call it), as shown in the accompanying figure, from which, it will be observed, the pan itself has a graduated flange, tapering to *nil*, that acts as a barrier in case of accident, for at that side the pan is shallower than at the other, and if any tipping occurs it will be there. In practice, however, that is found not to happen, the form having been specially designed to meet the weaknesses which experience shows that ordinary pans possess. It will thus be noted that the pan is wedge-shaped and the handle is at the side, so that it is easily slipped beneath the patient. The pan is readily emptied by pouring out by the flangeless side, and if this is done in a w.c., the flush of water circles round the pan and cleans it out thoroughly. The pans cost 3s. 3d. each in earthenware and 4s. 6d. each in enamelled iron.



"THE ART OF DISPENSING" is one of the first half-dozen most popular pharmaceutical books in the world. It is so because it educates the student, helps pharmacists, and solves hundreds of difficulties. The new edition is up to date as regards new remedies. You can get a copy from the *C. & D. Office*, 42 Cannon Street, London, E.C., for 6s. 4d. post free, or from any wholesale house at the published price (6s.).



## Observations and Reflections.

By "Xrayser."

### The Poison-licensing Contest

is not going just as we should like it to proceed, but there is no immediate necessity for chemists to withdraw from the competition for agricultural and horticultural chemicals simply because some rivals have stepped into the arena. Having expressed their opinion of the intelligence of the County Council which refused to be guided by their arguments, and added a supplementary anathema against the Government and one against the Pharmaceutical Council, if these will promote consolation, the next step for qualified pharmacists to take is to prepare for action. In places where licences have been refused it is obviously the duty of some of the chemists, even if they do not perceive it to be their interest, to meet the requirements of the public; and in those localities where new competition has been authorised it by no means follows that the qualified pharmacist, who does not need a licence and who naturally takes the premier position as the poison-vendor, should straightway fold up his tent and steal away from the lines of the combatants. As stated by "A Country Pharmacist" in last week's *C. & D.*, the trade in insecticides, sheep-dips, and weed-killers is a lucrative one, and it is, besides, a bypath to other business. "When my gardener calls for the weed-killer, you might as well send a dozen syphons as well." Articles like the one just alluded to are therefore welcome at the present time, and any similar hint from experience will be eagerly appropriated. But printed notes are not all-sufficient. A considerable number of chemists would probably this summer take advantage of the opportunity of a week's practical instruction in modern horticulture, including demonstrations of the utility of fumigations and other modern processes which are now recognised adjuncts of the art, if this were offered. Cannot something of the kind be arranged?

### The Chemistry Congress

held in London at Whitsuntide was evidently a brilliantly successful function, whether regarded from an international, social, or scientific point of view; and, politicians considerably effacing themselves for the moment, and the weather interfering with sport, the daily newspapers were good enough to bring the achievements of the science rather prominently before the public last week. Chemists have always been watched by the outer world with the respect which mystery is apt to inspire. In past centuries the votaries of the furnace themselves weaved the veils which concealed their processes. Modern chemists are not actuated by the same motives; but the results of their researches are not very dissimilar to the multitude. They make a substance and call it benzyl-phenylallylmethylammonium. Their distinct purpose in building up a name like that is to explain the composition of the product; but to the not specifically trained person this denomination seems as much like quackery as *Draco Mitigatus* must have appeared to our forefathers. But at this Congress achievements were more prominent than names. Some idea of the marvels of synthetic combinations, of the utilisation of atmospheric nitrogen, of the prospects of "white coal" and "liquid fuel," and of scientific methods employed in the service of hygiene, was flashed on the public mind, and a vague realisation of the advance made within the past tiny quarter of a century was rendered possible. The rivalry between

### Nature and Chemistry

was curiously illustrated. In the Pharmaceutical Section Dr. Thoms said, "The plant is a better chemist than we are"; but as the whole burden of the discussion in which this modest view was so politely expressed was concerned with the variability of the medicinal properties of the plants which are used in pharmacy, the justice of the comparison is not quite evident. In his lecture on artificial camphor Professor Haller said in reference to alizarine and indigotine, the first of which had superseded madder, while the other was threatening to ruin the plantations of India, Java, and Guatemala, that in these instances "science and industry had incontestably got the better of nature." That observation, it must be admitted, corresponds better with the usual tone of scientific congresses than the previously quoted remark, though it can hardly be claimed that the triumphs indicated are among the beneficent victories of chemistry. The cultivation of madder and indigo on the plains of France and India, and the preparation and transport of the dyes extracted from these substances, were better for the world's population than the manufacture of their artificial imitations in factories. Possibly, too, "scientific medication" may not be an entirely unalloyed blessing. In his presidential address to the Pharmaceutical Section of the Congress, Mr. Martin referred to

### The Pre-alkaloid Days

with a sort of pity. It was in those days that the medicinal value of the plants from which our most highly prized alkaloids have been extracted was discovered, and somehow those herbs maintained a fairly uniform reputation as specific remedies in many countries for long centuries. They had to be gathered at appropriate seasons, when Mercury and Venus were in conjunction, or when Jupiter was in the ascendant, and perhaps with particular fingers and accompanied by the proper invocations. But if these precautions were carefully observed, it does not appear that the alkaloidal contents, which it may be supposed varied then as much as now, mattered much. The Athenian official preparation of hemlock, which was apparently administered in a definite dose, "in very small quantity" according to Theophrastus, seems to have been quite reliable. At least no complaint of its variability has come down to us, so far as I know. Socrates and a good many other Greeks could have testified to its uniformity about 400 B.C., but in 1867 A.D. Dr. Harley proved that most of the hemlock preparations then official were practically inert. Was Greek pharmacy so much superior to ours? The legends of the Middle Ages, and the more exact accounts of Baptista Porta and the other Italian scaremongers of the sixteenth century, give details of marvellous effects produced by preparations of belladonna, henbane, mandragora, *dulcamara*, and *datura*. Say these tales were all false, there still remain in the pre-alkaloidal days the records of a number of most careful investigations—as, for example, those of Withering on *digitalis*, published in 1785—and none of them attribute fickleness to the herbs. Now, however,

### A Hundred Years After

the alkaloidal revolution, an international inquiry into the relationship of these active principles with the plants from which they are derived has been proposed and agreed to. Clearly an investigation is needed. In the paper by Messrs. MacEwan and Forrester, in which the inquiry was suggested, it was shown that the alkaloids in aconite may vary in the proportion of 6 to 178, and in belladonna from 14 to 132. Variety of plant, climate, soil, season, and degree of maturity are influences which may account for these variations, and it is obviously desirable to know as exactly as possible what are the conditions on which perfection depends. Perhaps, too, if the unfortunate herbs can be drilled into uniformity a gain will be assured to medicine. But it may turn out that alkaloids are not quintessences after all, and that the plant has some compensating properties. Even the ancients would have detected the difference between a medicine with a power of 6 and one with a comparative power of 178.



## PEROXIDE of HYDROGEN

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### Reduction in Price.

We have pleasure in announcing a great improvement in quality and a large reduction in the price of this article. We are now prepared to supply 16-oz. bottles (to retail at 1/3) to the trade at 10/- per dozen, subject to our usual carriage regulations.

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A Client who has been on my Register some few months and who has just tried one of my Schemes for Whitsuntide gives the exact figures which show an increase for the week of £11—equal to about a 40% increase over the three previous weeks. Why do you hesitate to send for my FREE Booklet from the original business increaser. London district interview free.

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## To Chemists, Oilmen, &c.

### THE WRONGFUL USE OF MINERAL WATER BOTTLES & BEER & STOUT BOTTLES.

THE Members of the NATIONAL ASSOCIATION OF MINERAL WATER MANUFACTURERS, whose Registered Office is at 15 Cals, Leeds, will be much obliged if Chemists, Oilmen, and others will refuse to supply Carbolic Acid, Oil, Turpentine, or any other liquid in bottles designed to contain Mineral Waters, Ginger Beer, or other Non-Intoxicating Beverages, or in Bottles designed to contain Beer or Stout.

The filling of any such bottles by Chemists inflicts serious loss on the Owners of the Bottles, and the Manufacturers therefore appeal to all Chemists and others to see that the rights of Bottle Owners are respected.

ALL BOTTLES REFERRED TO IN THIS NOTICE are embossed with the name or Trade Mark of the Owner, and are easily distinguished; there should not, therefore, be any difficulty in recognising them and refusing to fill them.

Signed on behalf of the National Association of Mineral Water Manufacturers,

WILLIAM TOOKE,  
Secretary.

JAMES  
BURROUGH  
LTD.  
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Hutton Road,  
LAMBETH,  
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There are many worrying difficulties to be overcome in connection with the Registration of Trade Marks and the grant of Letters Patent, which members of the Retail and Wholesale Drug Trade can avoid by consulting an efficient agent, who would undertake all the troubles for an inclusive fee and obtain protection in the United Kingdom and abroad. Advice in the first instance free. Pamphlets gratis.

**REGINALD W. BARKER.**

56 Ludgate Hill, London.

### FLETCHERS' HYDROBROMATES.

The titles "Syr. Hydrobrom." and "Syr. Hydrobrom. c. Strychnia" were originated by us in the year 1879 and can only be legitimately applied to FLETCHERS' HYDROBROMATES. Legal proceedings will be instituted against any firm or person dispensing or offering for sale fraudulent imitations of FLETCHERS' SYRUPS.

SOLE PROPRIETORS:

**FLETCHER, FLETCHER & CO. LD. LONDON. W.**

### The New Phase.

For the first time in the history of the Pharmaceutical Society of Great Britain the President and Vice-President are both Minor men. From the foundation of the Society in 1841 until 1868 the Council of the Society was composed



exclusively of pharmaceutical chemists; the 1868 Act provided for not more than seven members of the Council being elected from the new class of Society members then created—viz., chemists and druggists in business before the Act. Comparatively few of such members have ever been on the Council—never the statutory seven. The first of them to hold any important office was Mr. Cornelius Hanbury, whose qualification as M.R.C.S., L.S.A., prevented him being on the register of pharmaceutical chemists. Mr. Hanbury was Treasurer of the Society for two years (1876-78). The next chemist and druggist to hold high office was Mr. John Harrison, who was Vice-President for two years (1895-97). In 1898 an amending Act was passed under which all persons registered as chemists and druggists became eligible to be members of the Society instead of associates as had been the case from 1868, and this opened the way to their election to the Council. Mr. Richd. A. Robinson was the first of this class to become President of the Society (1904-7), and Mr. John F. Harrington, who has this week been elected President, was the first Minor man to become a member of the Council. The vice-presidency has been given this week to Mr. William L. Currie, of Glasgow, who is also a Minor man, so that the Society enters upon an entirely new phase in its history. Of the twenty-one members on the Council nine are chemists and druggists—seven of them by examination—and it is quite in the nature of things that this class should ultimately be predominant on the body, as pharmaceutical chemists are a diminishing race, and chemists and druggists in the ascendant with a controlling influence in the Society's affairs if they care to exert it. Historically viewed these facts have a remarkable significance. Some with long memories may regard them as a sign of decadence, for it is not so many years since it was heresy to suggest that the Society's affairs could be properly conducted by any except pharmaceutical chemists. Such views are a survival of the aspirations of pre-1868 times, when it was thought that only pharmaceutical chemists were competent pharmacists. In the march of events the public has not been able to distinguish between the two classes, largely on account of the fact that chemists and druggists have proved themselves to be competent to discharge all the pharmaceutical duties required of them, and successive generations of chemists and druggists have qualified for the higher degree of education imposed upon them, so that the Minor men of to-day attain a standard of knowledge which is equal to that required of pharmaceutical chemists in 1868. The necessity for the higher title as a qualification for administrative purposes has almost ceased, especially since the Council is guided in education and examination matters by the Boards of Examiners and the President and Vice-President have ceased, as *ex officio* members of the Boards, to examine candidates—a course which was of more than doubtful legality, as they were not approved as examiners in accordance with Section 6 of the Pharmacy Act, 1868. In the future the Council's work will be more and more directed to enforcement of the provisions of the Pharmacy and Poisons Acts, in the spirit of the preamble to the 1868 Act, and this necessarily implies keener attention to the interests of all registered chemists; probably also less concentration on such considerations as whether this or that is "good for the Society." That old phase is passing with growing confidence in the fact that the Society can take care of itself, but the new phase demands the Council's attention to the wider duties placed upon it by the 1908 Act. Mr. Harrington and Mr. Currie assume a great responsibility in taking up the high offices to which they have been called, and chemists and druggists all over the country will look to them to show their in-

dependence as representatives of the class. The first step in creating a new spirit is to get rid of the accumulations of traditional precedents which were established when the Society was an exclusive body existing and working only for its own members. The Council now stands for the whole body of chemists and druggists, registered and potential, and its first duty, after providing for the public safety, is to protect the interests of the class, and that can only be done by looking beyond Bloomsbury to all corners of Great Britain where the public require physic and buy poisons, so as to ensure that illegal channels of supply do not grow beyond the bounds which Parliament, after the fullest reconsideration of the law, laid down last December. It is to the guarding of this territory that the Society has been called afresh.

## Trade in May.

THE principal features of the Board of Trade returns of trade in the United Kingdom during May are the continued expansion of imports and the smaller comparative decrease in exports, but at the same time the total turnover was less than that of April, this no doubt being accounted for by the Whitsuntide holidays and the occurrence of five Sundays in May. There were in April twenty-six working days (including five Fridays and four Saturdays), and in May twenty-five working days (including four Fridays and five Saturdays), so that May was in the nature of things a less efficient month for production and shipping of goods. The trade this year, imports and exports, has a total value of 438,000,000*l.* for 128 working days, or about 3,500,000*l.* per day. The diurnal possibilities have to be kept in mind in any monthly contrast. The improvement in imports last month amounted to 593,000*l.*, or 1.3 per cent., the total being 44,851,000*l.* This advance was almost entirely due to larger purchases of textile raw materials. Food, drink, and tobacco were 727,600*l.* less, and manufactured articles increased by 269,000*l.* Imports of chemicals, drugs, etc., were 9,100*l.* less, the total amounting to 834,590*l.* How strong the desire was to forestall the Budget is shown by the considerable falling-off in May in deliveries from bond, some of the examples being as follows:

		1907	1908	1909
Sugar ...	cwt.	3,565,726	3,163,008	1,651,469
Glucose ...	"	150,957	73,636	55,751
Saccharin ...	oz.	58,071	75,682	3,200
Tea ...	lb.	26,550.621	30,352.253	10,404.456
Foreign spirits...	p. gal.	549,876	486,544	133,107
Tobacco (raw) ...	lb.	8,502,675	8,502,859	6,473,703

The imports of dutiable goods during May show a trifling falling-off only, the heavy withdrawals in April reducing stocks in bond so that imports were stimulated. Taking saccharin as an example, it will be seen that deliveries in May were 3,200 oz., but imports were 111,682 oz., or practically six times greater than in May 1908.

Exports last month declined by 1,541,000*l.*, or 5 per cent., being 29,525,746*l.* The bulk of this decline (1,365,700*l.*) was in manufactured goods, yarns and textiles making a very poor show, being practically 1,029,000*l.* less. New shipping, always an unstable item, is 455,000*l.* less, and bulking machinery, iron, steel, and kindred manufactures together, the decline represents 862,000*l.* In comparison with the foregoing the decline in exports of chemicals and allied articles, 6,829*l.*, is trifling considering the volume, 1,453,274*l.*, and is accounted for by the working month being less; in fact business on the diurnal basis has really been better. In raw materials exports, the chief feature is a decline of 425,000*l.* in coal shipments, due entirely to lower prices, as the tonnage is greater. An advance of 106,000*l.* is shown under food, drink, and tobacco, chiefly in salt,



sugar, confectionery, etc. Looking more in detail at the chemical trade exports, a recovery in the shipments of bleaching-powder to the United States is noted, total exports to all destinations being 24,000 cwt. better, and on the five completed months there is a gain of 47,000 cwt. The same applies in a more marked degree to soda compounds, May shipments exceeding those of the preceding year by 76,500 cwt., and for the expired portion of this year the advance is, approximately, 291,300 cwt. Soda-ash heads the list by volume, but the expansion in caustic soda was greater, and there is also a considerable increase in soda sulphate. Soda crystals, on the other hand, declined by over 6,000 cwt., but so far this year shipments are level with those of 1908. The downward course of copper sulphate which has continued throughout this year is again evident, the decline in May amounting to 2,430 tons, and so far this year to 20,900 tons, figures either showing decreased consumption or that the business is going into foreign channels. Shipments of glycerin (15,548 cwt.) were on a smaller scale, but on the year the figures are 24,700 cwt. more, at 83,482 cwt., representing 190,327 $\frac{1}{2}$ . A feature throughout 1909 has been the improved trade in exports of drugs and medicinal preparations, the figures showing that even in times of general depression this industry has displayed remarkable vitality, as may be seen from the following results :

	1907	1908	1909
	£	£	£
May ... ..	170,694	139,429	148,230
January-May ...	740,178	648,662	670,314

The quinine account looks quite flourishing judging from the following exports :

	1907	1908	1909
	oz.	oz.	oz.
May ... ..	59,041	51,203	97,494
January-May ...	418,159	256,920	446,049

The declared value of the above 446,049 oz. exported this year was 18,058 $\frac{1}{2}$ l., or practically 9 $\frac{3}{4}$ d. per oz., whereas the value of the 1,015,477 oz. imported was 31,194 $\frac{1}{2}$ l., or practically 7 $\frac{1}{2}$ d. per oz., so that there is even yet profit in handling quinine from the distribution point of view, given a market with few fluctuations as has been the case this year. The soap industry appears to be doing fairly well, and although there is no evidence yet to show that trade is on the turn, chiefly because the heavier staple industries are depressed, it is quite possible that June will show surer signs of recovery.

## Section 2 Licences.

THE action of a committee of the Liverpool City Council in referring back for reconsideration the recommendation to grant licences under Section 2 of the new Act to a number of applicants has created quite a stir in that city, as may be gathered from the extracts which we print elsewhere in this issue. When a controversy of this kind arises a good deal of nonsense is printed and misrepresentation published which is difficult to eradicate once it is planted in the public mind. Thus the "Liverpool Echo" made the following statement on June 4 :

In Liverpool . . . seedsmen and horticulturists have received a rude shock on learning that the Act may be so applied as to not legalise, but utterly extinguish their trade in the articles and compounds under notice, a business which has been developed steadily and extensively during the past quarter of a century without personal mishap or tragedy of any kind, so far as can be recalled.

This statement is quite at variance with the facts. The retail trade in sheep-dips and other poisons which come under Section 2 necessarily began through chemists, of whom many in country districts still supply the bulk.

Others have lost this fertile field through apathy and also the facility which the illegal supply afforded of obtaining dips without questions or signature. Regarding the conclusion of the above statement, four cases of accidental poisoning from weed-killers were recorded in England and Wales in 1907, and one mishap each from insecticide and sheep-dip. During three years ending 1907 thirteen misadventures have occurred with agri-horticultural poisons as against six in the three years ending 1897, and one for the same period ending 1887. The numbers are small, but increasing, and for comparison the accidental poisonings from vermin-killer average two during a three-year period (none in 1907). Yearly statistics regarding the fatalities from poisons show the powerful influence of the chemist in checking the accidental or misapplied use of poisons, but the sole reward for his conscientiousness in the past is now the cry of "monopoly" and "the inconvenience of the public." The article further hinted that the chemist can trade without a licence "under certain conditions," but did not mention that the conditions are a stringent examination, which by enactment is regarded as a necessary preliminary to the retailing of poisons.

This latter condition is overlooked or ignored by many local authorities, owing to the terms of Sub-section 2 being vague. If "the reasonable requirements of the public with respect to the purchase of poisonous substances" be read with the 1868 Act, it can only mean the existence in the neighbourhood of persons qualified under that Act *who sell the poisons in question*. In every instance where chemists have opposed granting of licences they have proved that the poisons are supplied by chemists in the neighbourhoods.

When Viscount Hill introduced an amendment providing that no licence should be granted in places where a registered chemist and druggist actually carries on business, the Earl of Crewe, while deprecating the precision of the Viscount's provision, said, with reference to Sub-section 2 :

I have no doubt that in a place where there are chemists who are in the habit of selling these things, and who satisfy the public, no licence will be issued at all, provided the requirements of the public are satisfied.

It is greatly to be regretted that this clear intention is not more respectfully considered by local authorities; but, unfortunately, it is not binding upon them. We understand that the Pharmaceutical Council's Law and Parliamentary Committee is collecting data in regard to granting of licences, with a view to their presentation to legal and departmental authorities. This will probably be of greater academic interest than of practical advantage to chemists. The Council has really no exceptional *locus standi* in the matter until the licences are granted, as careful consideration of the Act and regulations shows; but once a licence is granted to a person, he comes under the direct supervision of the Council as the administrators of the law, and No. 8 of the Regulations made under the Act gives the Council the right to approach local authorities. That regulation is as follows :

A licence may be revoked or suspended for such term as the local authority think fit, if the local authority are satisfied that the licensee has failed to comply with the requirements of these regulations or of the Poisons Acts, or that the licensee is not a fit person to be entrusted with the sale of poisons.

We hope the initial inquiry now instituted will be along the lines of this regulation, it being the clear intention of the department that the statutory authority (that is, the Pharmaceutical Council) shall ensure by its organisation that the law is properly respected.



### The Spirit-duty.

Dr. Symes's appeal to chemists in our correspondence columns seems almost belated, but we can assure them that it is not; in fact, there has been no better time for striking than the present. The matter will not be closed until the Committee stage of the Finance Bill is passed, and the case presented for hospitals and retail chemists has so impressed the Chancellor of the Exchequer that it needs but a little more pushing to get some recognition of the claims of medicine for special treatment in regard to spirit-duty. Unfortunately the somewhat premature decision of wholesale druggists to do nothing has complicated matters, but that difficulty may be overcome if wholesalers are willing to support the principle that a tax on alcoholic beverages should not embrace medicines and other things which are not alcoholic beverages. In this connection the letters received by the Irish Pharmaceutical Council from members of Parliament are of peculiar interest.

### Chemist Extractors of Teeth.

The correspondent "J. L. S.," who wrote a few weeks ago urging chemists who are in the habit of extracting or supplying teeth to protect their interests, informs us that he has not received sufficient encouragement to satisfy him that an association is wanted. About thirty chemists have intimated their willingness to join an association, and they offer subscriptions from 5s. to a guinea. The total would probably not pay for the initial printing account. We cannot say that we are surprised at the response, for we had a similar experience after the Barnes *v.* Brown decision. Now, however, the immediate need for a chemist extractors' defence association has passed, the British Dental Association having communicated with its officials in various parts of the country directing that further prosecutions against unregistered persons for advertising "painless extractions" should be stopped. The remarks by the Master of the Rolls in *Bellerby v.* Heyworth and Bowen once more make it clear that it is legal for any man (including the law-ridden chemist) to do dental work, and to say so. If that privilege is again threatened we think there will be little difficulty in bringing together for common action chemists whom it will hurt.

### Dispensers for the Territorials.

The recent efforts to get the War Office to recognise the special qualifications of pharmacists who are wanted as compounders in the Territorial Army by some honorary rank have failed. It was tentatively arranged that the rank of honorary lieutenant should be given to them, but the authorities have put their foot down on that, saying that "while they can get chemist compounders to enlist as privates they cannot be expected to grant commissions, and as the present system works so satisfactorily in the Regular Army, it is likely to work equally well in the Territorial Force." Really the War Office is past comprehension; a few months ago it was begging and praying for chemists to join, and they objected to do so without consideration being given to the special qualification for which they were wanted—pharmaceutical knowledge. Now the War Office intimates they can get all they want as privates. Well, that ends the matter at present, and we hope that the 107 chemists who offered their services under better conditions will stick to their terms. The War Office forgets the mess it got into during the Boer War, when the Regular Army compounders proved unable to cope with the demands upon them, and had it not been for the patriotism of chemists who enlisted as privates the mess would not have been remedied so quickly. But

chemists were so disgusted with the treatment they suffered that an impression has been left upon them which a single generation will not wipe out. As the whole scheme of army reform is to place us on a better fighting footing than we were eight years ago, better treatment of chemist compounders is an essential element of the reform.

### German Perfumery Taxes.

The proposal of the German Reichstag to tax perfumery and cosmetics as outlined in *THE CHEMIST AND DRUGGIST* last week has created considerable consternation and dismay among manufacturers, judging by the amount of space devoted to it in the German Press. It appears that this tax is one of a batch introduced at the last moment to make up the deficit caused by the withdrawal of the death duties proposals, and by the sudden union of the Conservative and Central parties a large majority voted for the tax, which is regarded as ruinous to the small makers of cosmetics and perfumery. The text of the paragraph is as follows:

Auxiliaries to beauty (cosmetics), hair-dyes, medicaments for improving the skin, head, mouth, and tooth waters, all materials intended to exhale pleasant odours (essences, extracts, tinctures), and perfumed waters.

The proposals are regarded as ludicrous by the German newspapers, who treat the matter facetiously, one argument in its favour being that it provides the only interesting reading there has been since the Finance Commission began to tear to pieces Herr Sydow's financial reform scheme. "What excise official," asks the "*Lokalanzeiger*," "can distinguish between 'pleasant odours' and 'unpleasant ones'?" It was a theory of the Renaissance, adds the learned writer, that beautiful women themselves exhaled pleasant odours. Fircuola was sure of it. Will these favoured ladies be taxed, and will they wear a "banderole" stamped "paid — marks — pfennige" round the waist? Seriously, the proposals are regarded as altogether too drastic, and, if applied, will require considerable modification, the scale of duties being altogether out of proportion to the cost of article. As an alternative, it is suggested that proprietary medicines should be taxed.

### Medicines for Guardians.

Since he went to the Local Government Board as President, Mr. John Burns has interested himself in the supply of medicines to Guardians, but we are unable to say that he has done much to improve matters. During the past week, however, the following notification has been issued to Boards of Poor-law Guardians throughout the country, and it may be taken to include medicines:

In connection with the question of the contracts for the supply of goods to Poor-law institutions, attention has been drawn to the fact that in some cases persons wishing to tender for the supply of commodities to such institutions have been unable to obtain, for the purposes of examination, patterns or samples of the goods required; that it seems desirable, in the interest of good administration and economy, that persons wishing to tender should have every facility for obtaining information as to the kind and quality of goods needed; and that such persons or their agents should be allowed to take away patterns or samples wherever this can be arranged. There would seem to be no difficulty in the adoption of this course in many cases, etc.

It cannot be said that contracting for medicines to Guardians in England and Wales is satisfactory. In the first place chemists who are ratepayers to the Boards rightly claim that full consideration is not given to them in tendering, and that contracts frequently go out of the district for the sake of a comparatively small advantage in price. In the second place some Guardians have an objectionable habit of saving themselves trouble by asking tenders to be at a discount off the prices quoted in some



wholesale druggists' list. That is not fair to the wholesale house, for when the fact is published that a contract is given to someone who has quoted 25 or 30 per cent. off So-and-So's list prices, the inference is drawn that So-and-So must have an enormous profit, and that the goods are the same, but both inferences may be wholly erroneous. We have a tender form before us in which this objectionable method is followed. It also includes the following clause:

All drugs, chemicals, tinctures, infusions, powders, pills, ointments, plasters, extracts, roots, barks, leaves, and all articles or preparations ordered to be supplied to be of the standard strength and of the first quality and selected purity, and made in strict accordance with the formula of the British Pharmacopœia, 1898. The weight of the bottle or jar to be marked thereon, and also the weight of article contained. The quantity ordered not to be exceeded. All drugs, chemicals, and similar articles to be of the weight of 16 oz. to the pound. Goods to be packed in hampers, and all packages, bottles, or empties to be credited at the same rate as charged when returned in good condition.

How can *all* drugs, etc., be of B.P. quality? Many are not in it. We call Mr. John Burns's attention to this matter. In England and Wales the supply of medicines to Guardians is drifting towards the wretched condition that existed in Ireland until a radical reform was instituted, and if the Local Government Board attack it now it will be easier for them.

## Pharmacists in Foreign Armies.

IN THE CHEMIST AND DRUGGIST of January 26, 1901 (pp. 120-124), we published some facts regarding the condition of pharmacy in the armies of the United Kingdom, France, Germany, Austria-Hungary, United States, and Japan. In a recent handbook (edited by Lieut.-Col. Frank Howard, a retired officer of the Royal Army Medical Corps, and issued with Government authority) some scrappy details are given of military pharmacists in other countries. Col. Howard's compilation is confined mainly to such details as will be useful to Army surgeons, but some idea is given incidentally of the requirements of pharmacy in war by various countries, and these we have endeavoured to extract. We do not touch the countries already dealt with in the *C. & D.* article of 1901, but the following regulation requirements may be found interesting:

**Belgium.**—In a field hospital (*hôpital-volant*) in war two dispensers with the rank of officers, two "acting dispensers" (non-commissioned officers), and one compounder are necessary, and two dispensary waggons. For the ambulance columns (in war) two dispensers are attached to Army headquarters and one to each Army division, one for each cavalry division, and one for Antwerp defences. The dispenser's uniform has distinctive green facings.

**Bulgaria.**—Apothecaries (*pharmaciens*) are allotted only to military hospitals and to supply depôts. Apothecaries of the grade of "sanitaren capitân" form part of the *personnel* of the sanitary staff of military hospitals. All the surgeons, veterinary surgeons, and apothecaries of the country who have finished their obligatory service, as well as those who have been exempted, are entered in the Reserve at sixty.

**Holland.**—The medical establishment consists, in time of peace, of 336 medical officers, veterinary surgeons, and apothecaries.

**Italy.**—The military sanitary inspector-general's department consists of one inspector-in-chief (surgeon-major-general), two sanitary inspectors (surgeon-major-generals or surgeon-colonels), one apothecary-in-chief, and one secretary. Each foot medical section must be provided with six lance-sergeants or corporals as sanitary assistants (three of them apothecaries). Each mounted section must have two of the same rank (one of them an apothecary). With the intendants at Army headquarters there must be one chief apothecary and three assistants, and to each field hospital there is one apothecary (a civilian).

**Mexico.**—At the Military Hospital of Instruction and Practical Military School of Medicine there are on the staff one chief pharmacist (with the rank of lieutenant-colonel) and two candidates of pharmacy (lieutenants). For the hospital service, sanitary sections, battalions, regiments, and ships of war there are included four pharmacists (majors) and six pharmacists (first captains). The titles and ranks of pharmacists in the Mexican Army are: Teniente coronel farmacéutico, ranking as lieutenant-colonel; mayor farmacéutico, ranking as major; capitán primero farmacéutico, ranking as first captain; aspirante a farmacéutico, ranking as

lieutenant. In the field hospital (*hospital de campaña*) two pharmacists (captains of the first and second classes respectively) are required. On their uniform the pharmacists have an *esculapius* braided in gold on the coat, but in the ambulance corps the badge of the pharmacists is a mortar around which is coiled a viper.

**Norway.**—In the *personnel* of the field hospitals there is always one apothecary, while on lines of communication two apothecaries (assistant surgeons of the first class) and three apothecaries (assistant surgeons of the second class) are provided.

**Portugal.**—At the head office and medical staff of the Commander-in-Chief one pharmacist is appointed, one for each division, one for each army corps, eight (officers) for divisional ambulance, and three for each flying brigade of cavalry.

**Roumania.**—At the headquarters of each of the four *corps d'armée* (Craiova, Bucarest, Galatz, and Jassy) is a military hospital, for the reception and treatment of officers and men belonging to the various corps. In addition there are eight divisional hospitals and three special infirmaries for the treatment of eye diseases. The hospital and infirmary service is performed by military medical officers and apothecaries. At each corps hospital there is a central depôt for drugs and surgical instruments, and a chemical and bacteriological laboratory. These hospitals are also the centres of medical instruction, but apothecaries are selected from those who have taken degrees as such. They are obliged to serve for one year as battalion apothecary, after which, subject to passing a successful examination, they are passed into the Reserve; if they fail they are kept with the colours for another three months on half-pay. The apothecary-in-chief in a division ranks with lieutenant-colonels; regimental apothecaries of the first class rank with majors; divisional apothecaries with captains; regimental apothecaries with lieutenants; and battalion apothecaries with sub-lieutenants. On the peace establishment of the medical and veterinary services there are one apothecary-in-chief, eight apothecaries of army corps, twenty divisional apothecaries, twenty-five regimental apothecaries, and six battalion. In war time two divisional, seventy-five regimental, and eighty-one battalion apothecaries are called up from Reserve.

**Russia.**—Information regarding pharmacists is scanty. To each medical establishment for an infantry regiment of four battalions there is one apothecary. In each divisional hospital there is one "apothecary dresser," two of the same *genre* in each mobile field hospital, one in each military sanitary convoy, and three to each field dispensary.

**Serbia.**—The service of military pharmacies is carried on by military chemists, who must be master chemists. There are two depôts for sanitary and chemical stores in Belgrade which provide for the entire sanitary service of the Army.

**Spain.**—Apothecaries are attached to the staff of each military hospital, the pharmaceutical officers being members of the consulting board at each hospital. At a central laboratory medicaments, antiseptics, etc. are prepared for the use of the Army. The pharmaceutical section of the medical staff is composed as follows:

Inspectores de segunda clase	...	...	1
Sub-inspectores de primera clase	...	...	3
Sub-inspectores de segunda clase	...	...	3
Farmacéuticos mayores	...	...	11
Farmacéuticos primeros	...	...	34
Farmacéuticos segundos	...	...	41
Total	...	...	93

One principal apothecary is attached to the headquarters staff and one apothecary to each corps.

**Sweden.**—The divisional ambulance train has two apothecaries on the staff; three apothecaries are attached to each field hospital; three to each evacuation hospital; and four in the Reserve.

**Switzerland.**—There is a small separate body of apothecaries belonging to the Army Medical Corps. To each corps one chief medical storekeeper (a staff apothecary) is attached, who is responsible for the medical stores required by the corps. The apothecaries have a special uniform.

**Turkey.**—To every battalion, or equivalent unit, one physician, one surgeon, and one apothecary are attached. No particulars are obtainable, but Colonel Howard states that the "Army Medical Service is the only branch of the Turkish Army into which non-Mussulmans are permitted to enter, and a very large proportion consists of Jews, Greeks, and Armenians. This is especially noticeable in the apothecary class."

A correspondent states that the position of military pharmacists in Bulgaria has improved, their pay now equalling that of active officers. Only the Sanitätshauptleute (Health Captains) have disciplinary rights as company chiefs, the others hold rank as subalterns.



# Pharmaceutical Society of Great Britain.

## COUNCIL-MEETING.

A MEETING was held at 16 Bloomsbury Square, London, W.C., on June 9. This was the first meeting of the new Council, and the two new members—Mr. F. J. Gibson and Mr. E. T. Neathercoat—were welcomed. The election of officers was the first business, and it resulted as follows: President, Mr. J. F. Harrington; Vice-President, Mr. W. L. Currie; Treasurer, Mr. Walter Hills. The Benevolent Fund has received a residuary legacy of 58*l.* from the estate of the late Mr. G. C. Osborn. The committee of the Fund granted 73*l.* in casual charity. The steps taken by Mr. Glyn-Jones (Parliamentary Secretary) to obtain information from the Chancellor of the Exchequer regarding the incidence of the new land-taxes on property held for charitable purposes were shown to have yielded satisfactory results. Miss Neve was appointed Burroughs Scholar. The list of awards as a result of the school examination shows that one of the Bell scholars (W. R. Pratt) has won four out of five medals, including the silver Martindale memorial medal. The other medallist was T. H. Wardle. Many complaints were received regarding the action of local authorities on the question of granting poison-licences, and it was stated that the Parliamentary committee has the matter in hand with a view to making representations to the proper authorities.

THERE were present at the meeting Messrs. C. B. Allen, A. S. Campkin, W. G. Cross, J. Harcombe Cuff, William L. Currie, F. J. Gibson (Wolverhampton), W. H. Gibson (Brighton), R. Lord Gifford, D. Gilmour, A. Hagon, J. F. Harrington, J. Harrison, Walter Hills, A. E. Hobbs, E. T. Neathercoat, G. T. W. Newsholme, C. J. Park, P. F. Rowsell, E. White, and J. R. Young.

### WELCOMING NEW MEMBERS.

The minutes of the previous meeting were read and confirmed, and then Mr. YOUNG, who occupied the chair, briefly welcomed Mr. F. J. Gibson and Mr. E. T. Neathercoat, referring to the infusion of young blood. He rather facetiously added that, judging from the result of the election, it looked as if, with a sufficiency of new candidates, none of the old councillors would have been returned.

Mr. NEATHERCOAT, in reply, hoped "to be able to render some slight additional service of usefulness to the craft."

Mr. GIBSON also briefly replied.

### ELECTION OF PRESIDENT.

The CHAIRMAN then announced the next business to be the election of a President. The voting papers were distributed by Mr. Chater, and he was followed by Mr. Bremridge with the historic ballot-box. The papers having been collected and checked, the Chairman said that the choice had fallen on Mr. J. F. Harrington. This announcement was greeted with applause, during which the new President was invested with the chain of office and took his place in the presidential chair. Then followed the usual congratulations from the Past-President and thanks from the new President, after which the Council proceeded to the

### ELECTION OF VICE-PRESIDENT.

The result of the ballot was that Mr. W. L. Currie was unanimously elected Vice-President. When Mr. CURRIE had taken his position he thanked the Council for the honour paid to him. He said the idea of occupying the position had never entered his mind in his wildest dreams. He also referred to the fact that it was the first time the post of Vice-President had been filled by a councillor from Scotland.

### TREASURER RE-ELECTED.

Mr. WALTER HILLS was re-elected Treasurer, and in returning thanks he said that he was the oldest member of the Council. Notwithstanding what has been said about being "too old at forty," it is significant, he added, that the Council—a picked body of chemists—should not have considered his age a bar to his re-election as Treasurer. (Laughter.)

### THANKS TO MR. YOUNG.

The PRESIDENT then moved a vote of thanks to Mr. Young for his services as President for the last two and a half years. He has, said the President, done a great work for the Society and endeared himself to everyone.

The VICE-PRESIDENT, seconding the motion, referred to the passing of the Poisons and Pharmacy Act during Mr. Young's presidency. It was no accident, said the Vice-President, that Mr. Young was in that position at that time, but a design of "that divinity which shapes our ends." Mr. Young will always be remembered by all for his good feeling and fellowship.

Mr. HARRISON, as a non-official member of the Council, also spoke. He said that, although the Poisons and Pharmacy Act is not perfect, no man living could have secured better results than did Mr. Young. The faults in the Act are in no way due to the Past-President.

The TREASURER, as the senior Past-President, endorsed the remarks of the previous speakers. He had the greatest admiration for Mr. Young on account of the absolute sincerity and transparent honesty he displays in all that he does. He added that Mr. Young possesses the saving grace of humour, and those who possess this are generally the most successful in life.

The motion was carried unanimously.

Mr. YOUNG, who was greeted with cheers, said that when, five years ago, he was elected Vice-President he expressed the hope that, when the time came for him to relinquish office, he would not be found to have besmirched it. From the way the resolution had been received it appeared that he had at least satisfied his colleagues, a recognition which he very much appreciated. He also expressed his thanks to the office staff, who have rendered him valuable services. All had tried to save him trouble—it was a service of friendship, apart from those services which can be paid for. He felt himself amply rewarded for the cares of office by the knowledge that he had earned the esteem of his colleagues.

### APPOINTMENTS.

The salaried officers of the Society—Secretary and Registrar, Curator, Editor and Assistant Secretary in Scotland—were then re-appointed by resolution, and the Standing Orders were adopted.

### ELECTIONS AND RESTORATIONS.

Thirty-five members were elected and seven student-associates. Forty-seven persons were restored to their former positions in the Society. Sixteen persons had their names restored to the Register.

Mr. GIFFORD: Is the Parliamentary Secretary to be re-appointed?

The PRESIDENT: That matter comes on next month.

### FINANCE COMMITTEE.

The adoption of the report of the acting Finance Committee was then moved by the President (who was chairman of the committee). This report was as follows:

#### Receipts.

Penalties and costs	...	...	...	£71 16 4
Subscriptions	...	...	...	225 13 6
"Pharmaceutical Journal" and publications	...	...	...	852 8 7
Restoration-fees	...	...	...	27 6 0
Registration-fees	...	...	...	77 0 0
School-fees	...	...	...	68 7 6
Rent	...	...	...	54 12 6
Sale of registers	...	...	...	142 10 0

1,549 14 5



This amount, added to the balance from last month's account, showed a sum of 3,751*l.* 15*s.* 5*d.*, from which the following payments were recommended:

"Journal" and publications ...	£739	16	11
Stationery, etc. ...	78	2	0
Current expenses ...	350	0	0
Salaries, etc. ...	834	3	4
School and examinations ...	75	15	8
Law charges ...	41	10	6
House ...	93	3	0
Library ...	1	18	6
Sundries ...	25	0	0

2,239 9 11

On the Benevolent Fund accounts the following balances were shown:

Current account ...	£640	16	6
(Recommended for payment £1 5 <i>s.</i> )			
Donation account ...	132	15	1
Orphan Fund ...	3	16	8

The PRESIDENT, referring to the Benevolent Fund, mentioned that the Western Pharmacists' Association had sent a donation of five guineas and that 58*l.* had been received as a legacy from the residue of the estate of the late Mr. George Gooch Osborne. He added that it is proposed to pay off 200*l.* of the money that has been borrowed for the Fund from the bank.

The report was adopted.

#### BENEVOLENT FUND COMMITTEE.

The report of the acting Benevolent Fund Committee was taken *in camera*, after which

Mr. CROSS, in moving the adoption of the report, said that 73*l.* had been granted in casual charity. In regard to representations of the Parliamentary Secretary to the Chancellor of the Exchequer as to exempting the ground-rents of the Benevolent Fund from any land-tax which might accrue from the new Budget proposals, the letter of Mr. Glyn-Jones to the Chancellor was read. In this letter it was pointed out that the Society controls the funds solely for the purposes of benevolence, and that no salaries or office expenses are charged against the Fund, these being borne by the Society. When the Parliamentary Secretary interviewed the Secretary of the Chancellor of the Exchequer he was informed that the matter had been considered in drawing up the Finance Bill, Clause 25 of which entirely exempts charitable funds from taxation.

The report was adopted.

#### L., M., S., AND H. COMMITTEE.

The report of the Library, Museum, School, and House Committee was next presented by the Treasurer. The report dealt principally with routine matters. Messrs. Parkinson's bill for 12*l.* 9*s.* 6*d.* was approved. The date of the prize distribution in connection with the School of Pharmacy was fixed for June 23. It was recommended that Miss Neve be appointed Burroughs Scholar and that Miss Borrowman be admitted to the research laboratory. The Leicester Pharmacists' Association applied for assistance in providing specimens for the use of a materia medica class, and it was recommended that they be informed that the Association should provide specimens by purchase from wholesale houses, but that such drugs as could not be readily acquired would be supplied from the Society's museum as far as possible.

The TREASURER, briefly mentioning the chief items of the report, referred to Miss Neve's appointment. She is, he said, one of that body of talented ladies in the School of whom all are proud.

The report was adopted.

#### APPRENTICES REGISTERED.

The REGISTRAR reported that he had, during the last month, registered twenty-six apprentices or students.

#### GENERAL PURPOSES COMMITTEE.

The report of the acting General Purposes Committee was next taken. One of the items referred to a request that the word "pharmacist" should appear on certificates of qualification issued by the Society, but the committee held that it was not advisable to issue such certificates. The report also mentioned discussions on the

exemption of trust-funds from taxation, the rebate for chemists of the increased duty on alcohol, and the granting of poison-licences by local authorities. In regard to the last-mentioned the officers of the Society were directed to collect data with a view to submitting these to the proper authorities, legal and departmental.

#### COMMITTEES APPOINTED.

Part of the report of the acting General Purposes Committee consisted of recommendations as to the constitution of the various committees. The changes were principally in regard to the committees upon which the two new members have been appointed. Mr. F. J. Gibson is to serve on the Benevolent Fund and Organisation Committees, while Mr. Neathercoat was placed on the Library, etc., Law, and Journal Committees.

These recommendations were embodied in a resolution which was unanimously adopted.

#### SCHOOL PRIZES.

Another part of the report dealt with the recommendations of Professor H. G. Greenish as to the awards to students who have taken the Minor course at the School of Pharmacy. These, the result of examinations, were as follows:

*Botany*.—Bronze medal, Walter Ryley Pratt; Certificates of Honour, Howard Vincent Potter and Fred Hill.

*Chemistry*.—Bronze medal, Walter Ryley Pratt; Certificates of Honour, Richard Hy. Ridges, Dorothy Mary Braithwaite, and Samuel J. E. Bourn.

*Practical Chemistry*.—Bronze medal, Walter Ryley Pratt; Certificates of Honour, D. M. Braithwaite, S. J. E. Bourn, and R. H. Ridges.

*Materia Medica*.—Bronze medal, Thos. Hy. Wardle; Certificates of Honour, Walter Ryley Pratt and Howard Vincent Potter.

*Pharmacy*.—Martindale silver medal, Walter Ryley Pratt; Certificates of Honour, Fred Hill and Walter Lamplugh.

The Council approved of these awards.

The Evening Meeting Committee was re-appointed.

The choice of a person to deliver the inaugural sessional address in October was left to the President and a committee of Past-Presidents.

#### BRISTOL UNIVERSITY.

A letter was received from the University of Bristol informing the Society that the charter has been confirmed by the King. The charter of the University confers upon the Society the right to appoint one representative, and the letter asked that the Society would proceed to the election of such representative as soon as possible.

The VICE-PRESIDENT referred to the interesting character of the communication. He thought that the choice of a representative should rest with the Council, and suggested that as a local man would be required the appointment should be offered to Mr. Rowsell.

The matter was, however, referred to the Library Committee, with power to make the appointment.

#### SHOP HOURS.

Communications were received from the various branches of the National Union of Assistant Pharmacists asking that the Society appoint a delegate to serve on a deputation which was to wait on the Home Secretary on June 8 regarding the inclusion of chemists' assistants within the scope of the Shop-hours Bill. It was also asked that the Society support the views of the Union on this matter.

The letters were referred to the Parliamentary and General Purposes Committee.

#### POISON-LICENCES.

A number of letters were received from chemists reporting on the attitude of local authorities in connection with the administration of Section 2 of the Poisons and Pharmacy Act and asking the assistance of the Council in testing the validity of such administration. The letters were sent from chemists at Kendal, Northampton, Carlisle, Chester, Reading, Sheffield, and Dundee. The Assistant-Secretary in Scotland also reported on several cases.

Mr. CAMPKIN moved that these letters be referred to the Parliamentary and General Purposes Committee. In the meantime, said Mr. Campkin, it should be under-



stood by chemists that the Council is seriously alive to the position. Local authorities have nullified the expressed intention of the Act. A number of unqualified and unsuitable men have obtained licences who were never intended to have received them. If it had been known that this would have happened the extreme course would have been taken of blocking the Bill and preventing it passing last Session. It may be said that the Pharmaceutical Society has not in the past been sufficiently alive in preventing the sale of agricultural and horticultural poisons by unqualified men, but this does not alter the position under the Pharmacy Act, 1868. He mentioned that as a result of a deputation of chemists the Watch Committee of the Cambridge Town Council have recommended that no poison-licences be granted, but what the Town Council will do when the report comes before them he did not know.

Mr. ROWSELL seconded the resolution, and

Mr. GILMOUR said this is a very serious matter. He referred especially to the request to test the validity of the action of local authorities. To decide to do this would require much consideration as to the attitude of chemists on the sale of agricultural and horticultural poisons, both before and after the passing of the Poisons and Pharmacy Act.

Mr. GIFFORD emphasised the urgency of the matter. He said that while the office is collecting the data for the Council the Pharmacy Act is being abrogated all over the country. The legitimate business of the chemist is being commandeered by the unintelligence of local public bodies. It is the duty of the Council to go to the Government and demand that it should keep to the specific promises made during the passing of the Poisons and Pharmacy Act.

Mr. YOUNG : The matter is already being seriously considered. It would, however, be unwise to discuss the subject in public.

The VICE-PRESIDENT suggested that the North British Executive be requested to furnish to the committee such evidence as they possess.

The matter was referred to the Parliamentary and General Purposes Committee.

#### ALCOHOL-DUTY.

The Edinburgh Chemists' Trade Association wrote approving of the steps taken by the Council to secure a rebate for chemists on the increased duty on alcohol.

The Dundee Pharmacists' Association forwarded a copy of a resolution on the increased tax upon alcohol and its incidence upon infirmaries and hospitals. The resolution gave figures which were stated to represent the increase in price caused by the new duty. These, it was suggested, were much exaggerated, and the resolution was marked "received."

A strongly worded resolution was received from the Anglesea and Carnarvonshire Pharmacists' Association on this subject, which was handed over to the Parliamentary Committee.

#### MR. GIFFORD PROTESTS.

At the conclusion of the public business Mr. GIFFORD said he understood that a meeting of the Council was to be held that afternoon to discuss the Parliamentary Fund. As a matter of courtesy he thought he should have been invited. The matter was one of vital importance to the Society.

The PRESIDENT : The meeting has nothing to do with the Council.

Mr. YOUNG : It is not associated with the Council, but is a meeting of the subscribers to the Parliamentary Fund.

Mr. GIFFORD : I protest against the association of the President with such a fund.

The PRESIDENT : I am not associated with it. (Laughter.)

#### NORTH BRITISH BRANCH.

The following gentlemen have accepted nomination for election to the Executive, on which seventeen vacancies are to be filled at the meeting on June 17 :

Bain, John, Bridge of Allan  
Coull, George, Edinburgh  
Cowie, William B., Edinburgh  
Currie, Archibald, Leith  
Doig, William, Dundee  
Fisher, John H., Dunfermline  
Forret, John A., Edinburgh  
Giles, William, Aberdeen  
Gilmour, J. P., Glasgow  
Glass, W. S., Edinburgh  
Kerr, Charles, Dundee  
Kitchin, George S., Glasgow  
Lennox, James, Glasgow

Meldrum, Martin, Irvine  
Mitchell, Donald, Inverness  
Moir, James, Glasgow  
Nesbit, James, Portobello  
Reid, James, Dumfries  
Rowland, George H. C., Edinburgh  
Russell, James A., Greenock  
Somerville, G., Edinburgh  
Storror, David, Kirkcaldy  
Sutherland, John W., Glasgow  
Thomson, John H., Lochee  
Wilson, William P., Haddington

Of the present members of the Executive, Mr. Dott is not seeking re-election. Messrs. Bain, Coull, Currie, Kitchin, Moir, Rowland, Somerville, Thomson, and Wilson are new candidates. Owing to the election of Mr. W. L. Currie as Vice-President of the Society, the nucleus of the Executive will consist of three members (the President, Vice-President, and Mr. David Gilmour), so that eighteen vacancies will have to be filled, instead of the seventeen notified in the circular.

## Pharmaceutical Society of Ireland.

### COUNCIL-MEETING.

THE Council met at 67 Lower Mount Street, Dublin, on Wednesday, June 2, at three o'clock, Mr. John Smith (President) in the chair. There were also present the Vice-President (Sir William Baxter) and Messrs. George D. Beggs, J. Bowden, H. V. Goldon (Birr), Jas. Michie, D. M. Watson, and W. F. Wells.

#### CORRESPONDENCE.

A letter was read from Mr. W. Vincent Johnston resigning his seat on the Council owing to special demands on his time during the forthcoming year. The PRESIDENT expressed his regret and said that Mr. Johnston until recently was a very active member of the Council; but he has taken up the study of medicine, and it has become impossible for him to give to the affairs of the Council the attention that he would like to. On the suggestion of Mr. WELLS it was agreed to accept the resignation with regret.

A letter from the Under-Secretary for Ireland, Dublin Castle, enclosed a copy of a memorial which had been sent to the Lord-Lieutenant by Messrs. Moore Wilkinson, James Guthrie, and James Macaulay, registered druggists, Belfast, asking that fines of 5*l.* each, with 1*l.* costs, which had been imposed on them in Belfast Petty Sessions Court on May 10 for keeping open shop for the compounding of medical prescriptions, should be remitted or reduced. The observations of the Council were asked on the subject, and a draft reply setting forth the facts of the case and requesting the Lord-Lieutenant to allow the law to take its course was agreed to.

[An intimation has since been received from the Assistant Under-Secretary, Dublin Castle, that their Excellencies the Lords Justices, after a full consideration of all the circumstances of the cases of Moore Wilkinson, James Guthrie, and James Macaulay, have decided that the law must take its course. In other words, the penalties imposed will not be reduced.]

#### THE SPIRIT-DUTIES.

A letter was received from the Treasury Chambers, Whitehall, acknowledging the receipt by the Chancellor of the Exchequer of the letter addressed to him by the Council on May 8 on the subject of the effect of the spirit-duties in relation to pharmaceutical preparations and medicines. A letter from Captain Craig, M.P., acknowledged the receipt of a copy of the letter to the Chancellor of the Exchequer, and said :

You have my fullest sympathy and support, and I am to-day (May 10) bringing the matter under the notice of the Committee formed for the purpose of amending the Budget as far as possible, and trust that our efforts will be successful in the direction in which you are interested.

A letter from Mr. Lonsdale, M.P., enclosed a cutting from a Parliamentary report, showing that the Chancellor of the



Exchequer, in reply to a question from him, stated that he was carefully considering the suggestion of a special rebate on spirits used in the manufacture of medicine. A letter from Mr. John Gordon, M.P., on the same subject said:

The matter is an important one, and will come up for discussion on the Committee stage of the Finance Bill. I shall willingly give any help I can to get alcohol used for pharmaceutical preparations exempted from the increased duty. I am sure the Society in England will also get their friends to interest themselves in the matter.

A letter from Mr. Idris, M.P., said:

I have supported your views personally and by letter. I have also conferred with Mr. Glyn Jones who has been making representations on behalf of the Pharmaceutical Society and other people, but unfortunately there are many opponents in our own ranks. I have received a large number of letters in connection with the matter, and several of them in opposition to it. It is very difficult indeed to formulate a scheme that is not open to the objection of enabling the chemist to mislead the Excise and to increase dishonesty, but you may depend upon your views having my continued attention and support.

The Ulster Drug-trade Association enclosed a copy of a letter which they had addressed to the Chancellor of the Exchequer expressing similar views, and emphasising the fact that in Continental countries a special rebate is given off the duty on spirits used for medicinal purposes.

#### OTHER BUSINESS.

A letter was received from Dr. Barnes, Honorary Secretary *pro tem.* of the Retail Drug Association, thanking the Council for the use of their board-room for the meeting of pharmacists and druggists recently held, and requesting an extension of the privilege. On the motion of Mr. BEGGS, seconded by Mr. WELLS, the request was unanimously granted.

On the motion of Mr. WELLS, seconded by Mr. MICHIE, thanks were voted to the American Pharmaceutical Association for their donation of a copy of the "Proceedings" for 1908.

Messrs. R. A. Austin (Dundalk), E. P. Irwin (Granard), W. H. MacMullen (Larne), James J. O'Brien (Ballyhaunis), and James A. Whitla (Belfast) were nominated for membership of the Society.

Messrs. R. S. Anderson (Fivemiletown), R. Stewart (Letterkenny), and John Tosh (Belfast) were nominated as associate druggists.

This was all the public business.

## Association Affairs.

### Brief Records.

**Yarmouth.**—The monthly meeting of the Great Yarmouth Pharmaceutical Association was held at 156 King Street on Thursday evening, June 3, Mr. J. S. Shearman (President) in the chair. Messrs. Male, Palmer, Hill, Goddard, Woodcock, W. G. Poll, and Richmond were also present. The venue of the proposed outing to take place on June 24 was changed from Cambridge to Droghda *via* Potter Heigham. The monthly handicap spoon for shooting was won by the President, Mr. J. S. Shearman.

**The First Botanical Excursion of the Edinburgh Chemists', Assistants', and Apprentices' Association** for this summer took place on Friday, June 4, when a party under the guidance of Mr. W. B. Cowie, Ph.C., F.C.S., travelled from Waverley Station by the 8.10 p.m. train to Inveresk. They went along the railway embankment to the bridge crossing the Esk and down the river side to Musselburgh Station, from which the company travelled back to town. Though the evening was showery much useful practical work was done, and the outing was much enjoyed. A specimen of the toothwort, *Lathraea squamaria*, growing on the roots of a large elm tree beside the river, was one of the most interesting finds. On the motion of Mr. E. J. Brown, Ph.C. (President), a hearty vote of thanks was accorded to Mr. Cowie.

**Grimsby.**—A meeting of the Grimsby and District Chemists' and Druggists' Association was held at Walton's Hotel on Monday, June 7, at 9 p.m. There were present Messrs. Councillor Willson (President, in the chair), J. A. Hawdon, H. H. Boor, H. W. Colley, C. Dewing, F. W. Ellis, W. E. Humphrey, R. C. Johnson, A. Oliver, W. G. Robinson, C. A. Chapman, and F. W. Heely (Hon. Secretary). The Secretary read a series of letters received from the Town Clerk and the Secretary of the Pharmaceutical Society with respect to the recent

applications for the granting of Section 2 licences. The sub-committee appointed for the purpose of stating the objections to the granting of licences in the borough of Grimsby reported that the opposition had been unsuccessful, and that the Town Council had decided not to grant licences. A sub-committee consisting of the President and Secretaries was appointed to make arrangements for the summer excursion.

### Thames Valley Pharmacists' Association.

The annual meeting of this Association was held at Kingston on June 9, the President (Mr. E. T. Neathercoat) in the chair. There was a good attendance.

**ANNUAL REPORT.**—This was read by the Secretary, and showed that the position of the Association had been well maintained. The audited accounts disclosed an income of 45l. 11s. 6d. and an expenditure of 39l. 16s. 7d., the balance of 5l. 14s. 11d. being carried forward.

**ELECTION OF COMMITTEE.**—The committee were re-elected with the exception of Messrs. Barnett (Hounslow) and Bowen (Merton), who resigned; their places were filled by Messrs. Browning-Moss (Byfleet) and Wellburn (Hampton Court).

**OTHER BUSINESS.**—The name of the Association was changed to "Thames Valley District Pharmacists' Association," and a vote of thanks was passed to the retiring President (Mr. Neathercoat) for the excellent way he had occupied the chair during the year. Many suggestions for the summer outing were offered, and it was decided that it should take the form of a launch trip, which has been so popular in previous years, but upon a different portion of the river. The arrangements were left in the hands of Messrs. Higgs, J.P., Neathercoat, Harvey, and Windermere.

**ELECTION OF OFFICERS.**—A meeting of the committee was subsequently held, when the following officers were elected: President, Mr. F. Harvey (Surbiton); Vice-Presidents, Messrs. Neathercoat (Weybridge) and T. Evans (Putney); Treasurer, Mr. A. Higgs, J.P. (Kingston); Auditor, Mr. C. J. Palmer (Twickenham); Secretaries, Messrs. Windermere (Surbiton) and W. H. Peake (Twickenham).

### Aberdeen Pharmaceutical Association.

The quarterly meeting was held in the board-room of Mr. Robert Gordon's College on Wednesday, June 2, Mr. Robt. Leslie (President) in the chair. There was a good attendance of members.

**THE PRIZES** offered for competition to students attending the evening classes of the Aberdeen School of Pharmacy were presented to the successful competitors by the President, who congratulated the students upon the improvement shown in the examiner's report, the percentages of marks gained being much higher than in previous years. The successful competitors were:

Mr. J. G. Murray, first in practical chemistry, theoretical chemistry, and botany.

Miss Margaret Simpson, first in materia medica and pharmacy and second in theoretical chemistry.

Mr. Angus Garden, second in botany.

Mr. J. D. Simpson, second in practical chemistry.

Mr. J. G. Murray, in returning thanks, acknowledged the Association's interest and the practical help rendered to the students, and complimented Mr. Gilbert Simpson on his success as teacher of the school.

**THE ORDINARY BUSINESS** of the meeting was then proceeded with. It was resolved to minute an expression of regret at the death of Mr. A. L. Shand, who had quite recently joined the Association, and that the Secretary send an expression of sympathy to his relatives. Six new members were then elected.—The following members were appointed delegates to the meeting of the British Pharmaceutical Conference at Newcastle in July: Messrs. R. W. Dunn, W. Giles, W. F. Hay, J. P. Kay, J. Paterson, and J. Spence.—Messrs. Giles and Paterson were appointed to attend the meeting of the Federation of Local Pharmaceutical Associations.

**THE SUMMER EXCURSION** of the Association was fixed for Thursday, June 24, to Banff, in conjunction with the East Aberdeenshire Chemists' Association. Any chemists desirous of joining the excursion may communicate with either of the Secretaries—viz., Mr. J. F. Tocher, Peterhead, or Mr. W. F. Hay, Aberdeen.

The meeting then considered the local position under Section 2 of the Poisons and Pharmacy Act.



### Dewsbury Pharmacists' Association.

A SPECIAL MEETING was held at the Church House, Dewsbury, on Monday evening, June 7, to consider

#### THE P.A.T.A. AND THE CUTTING OF PRICES.

Mr. R. Broadhead presided, and there were also present Mr. R. Gledhill, Mr. G. N. Gutteridge, and Mr. G. Walker, secretary (Dewsbury), Mr. J. Day (Savile Town), Mr. Mortimer (Batley), Mr. S. N. Pickard (Ossett), Mr. W. Blakeley (Birstall), Mr. A. B. Barker (Heckmond-wike), Mr. J. Rhodes (Mirfield), and a local manager of one of Taylor's drug stores, who attended to give information respecting the cutting of prices by one of the co-operative societies in the Association's area.

The President remarked that the manager of the society in question had, since the chemist's shop was opened, been selling goods at prices which, when the dividend was taken into account, were below the protective prices of the P.A.T.A. When the cutting commenced the local manager of Taylor's retaliated. Correspondence took place with the P.A.T.A., but the co-op. continued their tactics. The manager had been invited to that meeting, but he had not put in an appearance. They wanted to induce him to use some influence with his committee with a view to arriving at some reasonable terms. If they could, by the aid of the P.A.T.A., bring the co-op. round to proper business integrity it would be a good thing for everybody concerned.

The manager of Taylor's said they had got goods in behalf of the P.A.T.A. from the co-op., and nearly every article was sold at the minimum price, and dividends were given upon them. He would not cut the P.A.T.A. prices save in regard to three articles, and he was compelled to do so on account of customers leaving the shop and going straight to the co-op. If the co-op. were not stopped cutting prices he intended to give checks which would entitle the customer to 2d. in the shilling.

Mr. Pickard : I suppose if the co-op. can be brought into line you will cease cutting?—Taylor's Manager : We are willing to agree to any prices that this Association fixes, so long as they are observed by the local chemists.

Mr. Pickard said if conciliation would not suffice they must effect their object by coercion. The P.A.T.A. had tackled greater problems than that. They had the money, and they would fight it if it cost 500l. They would be able to adopt means that would clear the co-op. out of supplies, and they would not be able to get any in a direct manner.

It was stated that the P.A.T.A. had stopped at least twenty co-op. societies in the Kingdom. The P.A.T.A. could not be defeated as regarded tracing the source of supply in such cases. After further remarks, the following resolution was carried :

That this Association suggests that the efforts of all sections of the P.A.T.A. should be directed towards the enforcement of a rule that no bonuses or dividends should be given off any goods which have a fixed minimum retail price, whether those goods are sold by co-op societies, limited companies, or private traders. This Association is of the opinion that such a rule is the only means by which the objects of the P.A.T.A. can be fairly and equitably secured.

Mr. Day moved, and Mr. Gledhill seconded, that Mr. Pickard and Mr. Gutteridge should see the manager of the co-operative society in question, and it was carried. It was understood that in the event of the interview being unsatisfactory the P.A.T.A. should at once get to work.

#### SPIRITUOUS MEDICINES.

Mr. Gledhill then raised the question of Taylor's Drug Stores advertising in the Press that, notwithstanding the extra duty imposed upon spirits, they did not intend to raise the price of tinctures. He considered that under the circumstances they ought to try to get a better price for tinctures. Taylor's Drug Stores should combine with the members of the Association in doing so. He would like to move that the Association ask Taylor's manager to lay that matter before his company.

The manager remarked that he would give an undertaking definitely so long as the co-operative society were not selling cheaper. The advertisement referred to was chiefly directed against their competitors in large towns like Leeds.

The President said it would be a good thing if they could get any arrangement with Taylor's because where there was a recognised price among chemists for protective goods Taylor's had honourably kept it. If they could get them to agree to an increased price for tinctures they would keep it.

The manager was thanked for his attendance that night.

### Chemical Society.

A MEETING was held at Burlington House on Thursday, June 3, Professor H. B. Dixon, F.R.S. (President), in the chair. An unusually large number of distinguished visitors was present, including Professor Arrhenius, M. Le Chatelier, Professor F. W. Clarke, Dr. Baskerville, Dr. Otto N. Witt, and Dr. Schweizer, as well as British chemists from India and the colonies. The *pièce de résistance* of the meeting was

#### THE WOLCOTT GIBBS MEMORIAL LECTURE,

given by his friend and former pupil, Professor Clarke, whose name is well known in connection with researches on atomic weights. The lecturer began with the trite observation that "biography is easy," but that in his conception these memorial lectures should not be mere biography, but should give a clear picture of what the subject of the *éloge* was, what he did, and what were his relations with his fellow-men. Wolcott Gibbs was a scientist by hereditary instinct, his father being a well-known mineralogist, whose collection eventually became the nucleus of the National Mineralogical Museum in Washington, developed to its present extent by the labours of Dana, Brush, and Penfield. Gibbs was born in New York City in 1822, and received his early education at Columbia College, from which he graduated in 1841. He then spent a short time in Dr. Hare's laboratory in Philadelphia, returning subsequently to New York to study medicine, taking his M.D. degree in 1845. He never practised, but came almost immediately to Europe and worked in the laboratories of Rammelsberg and Heinrich Rose in Berlin, then under Liebig in Giessen, and lastly studied physics under Regnault in Paris. He returned to New York in 1848, and almost immediately afterwards was made Professor of Physics and Chemistry at the City College, where he remained until 1863. During this period he experienced a severe disappointment; the chair of chemistry at his *alma mater* fell vacant, and Gibbs, supported by all the leading chemists of the United States, was a candidate. Unfortunately Columbia University was strictly sectarian and Gibbs was a Unitarian, and on this ground alone he failed to secure the chair. The loss, said Professor Clarke, was Columbia's, and Gibbs very shortly afterwards was elected to the Rumford professorship at Harvard College, where he was placed in charge of the laboratory of the Lawrence Scientific School, where he remained for twenty-four years. This was a congenial post, for his students never numbered more than twenty, and consisted solely of men who had selected scientific chemistry as a profession. Owing to the reorganisation of the scientific school Gibbs retired in 1863 as Professor Emeritus, and lived at Newport, Rhode Island, where he fitted up a private laboratory, which in the simplicity of its arrangements and apparatus recalled that of Berzelius. Professor Clarke proceeded to give an estimate of Gibbs as a teacher, a worker, and a man. His teaching was done on very modern lines. He attached great importance to practical laboratory instruction, and was probably the first chemist to practise such methods in the United States. These methods, commonplace as they seem now, led to a good deal of criticism in the American schools of that day, which, the lecturer stated, were even more thoroughly steeped in classical tradition than the public schools of England. Gibbs' first scientific communication was published when he was seventeen, and dealt with the use of carbon as a negative element in electric batteries, though, as the lecturer slyly observed, if one might believe the "Royal Society's Catalogue of Scientific Papers," he published a paper on an American meteorite when he was three years old. The bulk of his work was done at the Lawrence Scientific School, and from there he published



elaborate memoirs on the platinum metals, the cobalt-amine bases, complex inorganic acids such as platino-tungstic, vanadotungstic, and vanadiomolybdic acids. He never lost his early interest in physics, and late in life published papers on wave-lengths of light, vapour densities, and the theory of the dynamo. As a man, Gibbs was distinguished for his dignity, probity, modesty, and public spirit. "He published no books and delivered no popular lectures," and consequently was but little known outside the chemical world and his own circle of friends.

In moving a vote of thanks to the lecturer, Sir James Dewar complimented him on the matter and style of his address, and felicitous speeches in support of this motion were also made by Dr. Thorpe, Dr. Witt, and Dr. Baskerville.

The only technical paper read was that on the

#### ATOMIC WEIGHT OF CARBON,

by Dr. Alexander Scott, who has made a number of preliminary determinations of the amount of silver nitrate required for the titration of weighed quantities of pure ammonium bromide, tetramethylammonium bromide, and tetraethylammonium bromide. The results, which are very concordant, indicate that the atomic weight should be about 12.02, instead of the 12.002 now generally accepted and arrived at mainly through physical determinations. An animated discussion took place on this paper. Dr. Thorpe and Professor Clarke, the British and American representatives on the International Commission on Atomic Weights, objecting to Dr. Scott's use of what they considered an obsolete atomic weight for silver. Sir William Ramsay, Dr. Tutton, and the President inquired what precautions were taken to thoroughly dry the crystals of the salts titrated, and Sir James Dewar suggested that possibly vapour density determinations of the tetraethylamine used by Dr. Scott might throw some light on the difference between the atomic weights as determined by physical and chemical methods. In reply to these observations Dr. Scott stated that as the atomic weight of silver was eliminated in the calculations this constant did not affect his results, and that the salts were finally crystallised by sublimation so that they were not likely to retain mother liquor.

The remaining papers were taken as read.

## Society of Chemical Industry.

### LONDON SECTION.

A MEETING of this Section was held on June 7 at Burlington House, Piccadilly, W., Dr. J. Lewkowitch in the chair. There was a very good attendance, several visitors to the International Congress of Applied Chemistry being present. After a few preliminary remarks the Chairman called on Professor Kennedy Duncan, of Kansas University, to read a paper on

#### INDUSTRIAL FELLOWSHIPS.

This gave particulars of a scheme which is being worked at Kansas by which fellowships are endowed by manufacturers for the purpose of special researches on industrial problems. Professor Duncan said he wished it to be understood that the scheme has only been in operation for seven or eight years, and must yet be regarded as experimental and tentative. It is not the function of a professor of industrial chemistry to establish laboratories and courses of instruction in industrial processes, one of the chief reasons being that the processes are always in advance of text-books. If such a course is established, the time is taken out of other studies, which is undesirable. The professor then, in his earnest style and not devoid of dry humour, told of the shortcomings of the American manufacturer. His industry being protected, he has not the incentive to promote efficiency by appointing chemists to undertake researches where processes are involved in difficulties. The manufacturer does not know how to choose a research chemist, nor does he know how to treat a man of science. As a result of inquiries for assistance, which have been addressed to Kansas University, Professor Duncan evolved a series of research scholarships.

The manufacturer, who has a subject he wishes investigated, enters into an agreement with the University to provide the funds for a research chemist who works at the University. The chemist gives three hours' teaching per week to the University. The manufacturer has no voice in the appointment of the research worker, but such chemist must be one who has already made a reputation in research, and he must join the University. Reports of the progress of the research are made at stated intervals, such reports being transmitted through the professor of industrial chemistry, who decides the nature of the reports. At the end of the research a full report is drawn up, one copy being sent to the manufacturer and the other deposited in the archives of the University. The University may publish the report after three years. Any discoveries made in the course of the research are to be the property of the manufacturer, who is required to pay the worker a proportion of the profits resulting from a new or improved process. This may be in the form of a commission (say, 10 per cent.) or a lump sum. Professor Duncan then sketched the advantages of the scheme to the manufacturer and the University, the chief points being that the worker secures "sympathetic co-operation," and has the advantage of access to a good library of technical and scientific works, the necessity for which few manufacturers can grasp. The professor then gave the titles of the researches which are at present being prosecuted at the University. There are ten scholarships, the last four being not yet awarded. The subjects are (1) the chemistry of the laundry, (2) a new and cheaper source of diastase, (3) utilisation of waste buttermilk, (4) the chemistry of baking, (5) the constituents of crude petroleum (the holder of this had first to learn Russian), (6) improvements in the process of enamelling steel tanks, (7) optical properties of glass in relation to its chemical constitution, (8) new uses for Portland cement, (9) investigation of certain glands of deep-sea mammals, (10) new uses for ozone.

#### DISCUSSION.

This was of a very interesting character. Dr. Lewkowitch, in opening the discussion, said that Professor Duncan was open to award the last three scholarships to English workers if he could find suitable men. Professor Divers expressed his complete satisfaction with the scheme, which he hoped would be imitated in this country. Dr. W. H. Wiley gave some particulars of the progress of industrial education in the United States. The movement began in 1862, when the Government granted land to each of the States for the purpose of agricultural education and the teaching of military tactics. Some of the States sold the land or leased it, but those States, such as New York, which retained the land are reaping a large income. The system of agricultural experiment stations was explained, and then some particulars given of the way the private citizen is advancing education in the United States. Particular reference was made to the Mackay fund, which has resulted in the ten million dollars being devoted to applied science at Harvard University. Dr. Wiley said that in the future that nation will be foremost which trains its young men the best. The capacity of the mouth is a constant, but that of the two hands can be increased to an enormous extent. Dr. Robert Mond next spoke. After referring to Dr. Meldola's address at the annual meeting of the Society of Chemical Industry, he said these schemes depend on personality. It is impossible to say whether the information will be of value. As an instance, he mentioned Dr. Ludwig Mond's discovery of the nickel carbonyl compounds. This originated in the course of an investigation undertaken to try to discover why nickel barrels used for storing ammonium chloride became black. The cause might have been discovered without the research chemist realising the importance of the facts that were laid bare. Professor Ouara (Japan), Professor Baskerville (New York), and Professor Armstrong also spoke. The latter remarked that the researches referred to would not in this country be thought proper subjects for research; nor was the scheme likely to give men widely trained as individuals. Professor Dudley spoke of the difficulty in getting the proper man for a particular research. Mr. Grant Hooper emphasised the need for imagination in research work. Professor Duncan having replied, the other papers were taken as read.



## Trade-marks Applied For.

Objections to the registration of any of the undermentioned applications should be lodged with Mr. Temple Franks, Comptroller-General of Patents, Designs, and Trade-marks, at the Patents Office, 25 Southampton Buildings, Chancery Lane, London, W.C., within one month of the dates mentioned. The objection must be stated on Trade-marks Form No. 7, cost £1, obtainable through any money-order office. The figures in parentheses refer to the classes applied for.

(From the "Trade-marks Journal," June 2, 1909.)

- "NEROLIT"; for disinfectants (2). By H. S. Grossler, Schoneberger Ufer, 27 Berlin. 311,796.
- Facsimile signature "E. T. HASLITINE," and label device; for medicinal preparations (3). By Piso Co., Warren, Pennsylvania, U.S.A. 312,394.
- "NEUBOLA"; for medicines (3). By Thomas Pickcrill, 1 Montrose Villas, Bartonsham, Hereford. 312,539.
- "SOLYPTOL SOAP," and label device; for medicinal soap (3) and for toilet soap (48). By F. H. Faulding & Co., 54 Great Tower Street, London, E.C. 312,722/3.
- "MARIO"; for dental compositions renovator (11). By A. G. Taylor, 24 Great Pulteney Street, London, W. 309,851.
- "BILLIKEN"; for all goods (42). By Scott & Rosse, Ltd., Topping Street, Bury, Lancs. 312,284.
- "SCOUT"; for all goods (44). By Merchant & Co., 55-59 Shakespeare Street, Southampton. 312,592.
- "RYTO"; for aerated waters, etc. (44). By Francis Copestick, North Road Works, Burslem. 308,959.
- "THERMOL"; for all goods (47). By Stern Sonneborn Oil Co., Ltd., 16 Finsbury Square, London, E.C. 312,909.
- "DENTO-FRISCO"; for tooth powder and paste (48). By M. M. Habesch, 106 Egerton Road, Blackpool. 311,767.
- "COALINE"; for perfumery, etc. (48). By F. G. Burke, 550 West 36th Street, New York. 312,325.
- "SUFFRAGETTE"; for perfumed soap (48). By James Miller, 7 New Bond Street, Halifax. 312,456.

## New Books.

These notes do not necessarily exclude subsequent reviews of the works. Any of these books printed in Great Britain can be supplied, at the published price, to readers of this journal on application (with remittance) to the Publisher of "The Chemist and Druggist," 42 Cannon Street, London, E.C.

Besant, A., and Leadbeater, C. W. *Occult Chemistry*. A series of Clairvoyant Observations on the Chemical Elements. 9 $\frac{3}{4}$ ×6 $\frac{1}{4}$ . Pp. 124. 5s. net. (Office of the "Theosophist.")

Blyth, A. W. and M. W. *Foods: Their Composition and Analysis*. 6th edit. 9×6. Pp. 646. 21s. (C. Griffin.)

Lester, C. C., and Tordoff, B. *A Public School Chemistry for Beginners*. 7 $\frac{1}{2}$ ×4 $\frac{3}{4}$ . Pp. 258. 3s. 6d. (A. Rivers.)

Moride, E., and Varenne, E. *Traité pratique de Savonnerie*. 9 $\frac{3}{4}$ ×6 $\frac{1}{4}$ . Pp. 457. 16f. (Béranger, 15 rue des Saints-Pères, Paris.)

Picken, C. H. *Practical Hints on the Preparation and Registration of Joint Stock Companies' Forms*. 6th edit. 8 $\frac{3}{4}$ ×5 $\frac{1}{2}$ . Pp. 124. 3s. 6d. net. (Waterlow.)

Poynting, J. H., and Thomson, J. J. *A Text-book of Physics: Sound*. 5th edit. 9 $\frac{1}{4}$ ×6. Pp. 176. 8s. 6d. (C. Griffin.)

Prout, W. T. *Lessons in Elementary Hygiene and Sanitation*. 2nd edit. 8vo. 2s. 6d. net. (Churchill.)

*Science Physics Papers*. Being the questions set at the Intermediate Science Examination of the University of London, 1885 to 1908. Cr. 8vo. Pp. 84. Swd. 2s. 6d. (Clive.)

Sutherland, G. A., ed. *A System of Diet and Dietetics*. 9 $\frac{3}{4}$ ×6 $\frac{1}{4}$ . Pp. 908. 30s. net. (Frowde.)

Wade, J. *Introduction to the Study of Organic Chemistry*. New edit. Parts 1 and 2, 5s. net. Part 3, 4s. 6d. net. 7 $\frac{1}{2}$ ×4 $\frac{3}{4}$ . (Sonnenschein.)

Watson, F. S., and Cunningham, J. H. *Discases and Surgery of Genito-Urinary System*. 2 vols. Ryl. 8vo. 63s. net. (H. Kimpton.)

Whetham, W. C. D. *The Recent Development of Physical Science*. 8×5. Pp. 364. 5s. net. (Murray.)

Winzar, O. G. *The Instantaneous Decimal Tables: Giving at Sight the Decimal Equivalents of the Moneys, Weights, Measures, Angles, Fractions, etc., in General Use in the British Empire and the United States*. Cr. 8vo. Pp. 32. Limp, 1s. 6d. net. (Simpkin.)

## Trade Report.

**NOTICE TO BUYERS.**—The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers stock the goods. Qualities of drugs and oils vary greatly, and higher prices are commanded by selected qualities even in bulk quantities. It would be unreasonable for retail buyers to expect to get small quantities at anything like the prices here quoted.

42 Cannon Street, London, E.C., June 10.

IN several directions there have been signs of an improved business feeling, but market fluctuations during the week have been few. Menthol is the outstanding feature, a good speculative business having been done at advancing rates, this being based on unfavourable crop reports. Genuine cubebs continue very scarce, and higher prices have been paid. Saffron is very firm, with an advance in the lower qualities. Russian cantharides are still tending firmer, and Dalmatian insect-flowers are almost unobtainable at the moment, while prices have advanced about 30s. per cwt. during the past few days. Cascara sagrada for shipment in quantity has been sold at slightly under recently quoted rates. Chrysarobin is easier, raw material having been more plentiful, and santolin is as scarce as ever. Cod-liver oil is nominally firmer. Opium is steady, but with a good Turkey crop in sight buyers hold off. Tragacanth is easier, but in fair demand. Canary-seed and guinea grains are higher. Citric acid is easier. In essential oils Japanese peppermint oil is decidedly firmer and in better demand. Bergamot oil is easier, and lemon oil continues extremely quiet in primary markets with prices easy. New neroli oil and geranium oils are likely to be dearer this season. A full average crop of Bulgarian otto of rose is practically assured. At auction higher prices were paid for cocoa butter, and at the shellac sale fine orange was rather dearer, common garnet being easier and button steady. The chief changes have been as under:

Higher	Firmer	Easier
Canary seed	Benzols	Bergamot oil
Cocoa butter	Cantharides	Chrysophanic acid
Cubebs	(Russian)	Citric acid
Guinea-grains	Coconut oil (Cochin)	Tragacanth
Insect flowers	Cod-liver oil	
Menthol	Soya oil	
Pepper		
Peppermint oil (Jap.)		
Turpentine		

### Cablegrams.

BERGEN, June 9:—The cod-fishing at Finmarken continues partly satisfactory, and the market for finest non-freezing Lofoten oil is firmer at the equivalent of 63s. per barrel c.i.f. London.

NEW YORK, June 10:—Business is dull. Opium is steadier at \$4.25 per lb. for druggists'. Podophyllum (mandrake) is easier at 7 $\frac{1}{2}$ c. per lb. Copaiba is easy at 45c. per lb. for Central and South American. Cascara sagrada is quiet at 8 $\frac{1}{2}$ c. per lb. Peppermint oil is steady at \$1.45. Hydrastis (golden seal) is neglected at \$1.80, and jalap is firm at 45c. per lb.

ACID, CHRYSOPHANIC, is obtainable at easier prices owing to the recent lower rates for araroba. Makers quote from 9s. to 10s. per lb. net, with quantity at less.

ACID, CITRIC, continues extremely quiet. The English makers quote 1s. 4 $\frac{3}{4}$ d. to 1s. 5d., and foreign is quoted at from 1s. 4 $\frac{1}{4}$ d. to 1s. 4 $\frac{1}{2}$ d., being a shade easier all round.

ACID, TARTARIC.—The demand has fallen off this week, but prices are unaltered at 10 $\frac{3}{4}$ d. for English and 10 $\frac{1}{4}$ d. to 10 $\frac{1}{2}$ d. for foreign.



**ALOES.**—The arrivals comprise 35 cases Curaçao, 25 of Cape, and eight cases Zanzibar in skins.

**AMERICAN DRUGS.**—The following are a few current quotations for barks, leaves, roots, etc.:—*Barks*: Bayberry, 51s. per cwt.; elm, 4½d. to 5½d.; euonymus, 1s.; sassafras, 4½d. to 6½d.; wahoo, 1s.; and wild-cherry, 3½d. to 5½d. per lb., c.i.f., to arrive. *Leaves*: Damiana 6d., and witch-hazel 5d. to 3½d., c.i.f., to arrive. *Roots*: Burdock, 4d.; elecampane, 4½d.; gelseminum, 3½d.; golden seal (hydrastis), 7s. 6d.; leptandra (culvers), 7½d.; sanguinaria, 5½d.; and serpentary, 2s. 1d., c.i.f., to arrive.

**BALSAM CANADA.**—For tins in cases 4s. per lb. net is quoted, ex warehouse, which is considerably higher than our last quotation.

**CANARY-SEED.**—Owing to reports that the growing crop in Turkey will be more or less a failure, there has been a strong speculative demand during the past week, with rising prices. On Wednesday 45s. per quarter was paid for good Morocco seed; Turkish and River Plate sold at 43s., but holders are reserved in expectation of higher prices.

**CARAWAY-SEED** is steady at 36s. per cwt. for fair Dutch on the spot.

**CASCARA SAGRADA.**—For July-August shipment per steamer from Pacific Coast 40s., c.i.f., is quoted in 10-ton lots, but several sales of carloads have been made at 39s. c.i.f. for sailer shipment; on the spot 45s. to 47s. 6d. is quoted.

**CHILLIES.**—At auction 40 bags of good, bright Japan were bought in at 42s.

**CINCHONA.**—The exports from Java to Europe during May amounted to 1,319,000 Amst. lb., against 1,455,000 Amst. lb. in 1908; the total shipments from January to May have been 5,525,000 Amst. lb., against 5,844,000 Amst. lb. in 1908. At the bark sale at Amsterdam to-day the average unit was 3.10c. against 3.20c.

**CLOVES.**—Nothing was offered at auction. Privately, Zanzibar are quiet on the spot, with sales of fair at 4½d., and for fair picked Penang 1s. 1d. has been paid. The delivery and arrival markets have also been quiet, with prices nominal.

**COCOA BUTTER.**—At auction on Tuesday 30 tons of Cadbury's sold at from 10½d. to 11½d. per lb., being ¾d. dearer.

**COLOCYNTH.**—A fair business has been done in pulp at from 6½d. to 8d. per lb. for ordinary. Stocks on the spot are moderate.

**CUBEBS.**—Dearer, with a comparative scarcity of genuine berries, in which small sales are reported at 105s., with 115s. now asked.

**DRAGON'S-BLOOD.**—The recent arrivals, amounting to about 23 cases, are now in the warehouse, and mostly consist of reboiled lump. *Reed* is very scarce.

**GALLS.**—Quiet, but steady, Persian blue being quoted at from 67s. to 60s., green at 50s. to 52s. 6d., and white at 40s. per cwt. For shipment there are buyers at 53s. to 54s. c.i.f., which is below sellers' idea of value.

**GAMBIER.**—Small sales of No. 1 cubes have been made on the spot at from 36s. to 37s.

**GAMBOGE.**—Good Siam pipe is comparatively scarce in first-hands, 14½. 15s. being the last price paid. Ten cases of this description have just arrived.

**GINGER.**—At auction about 1,650 packages of Jamaica were offered, of which about 300 sold at about steady rates, including fair bright at 60s. to 62s., middling to good middling at 56s. to 59s. 6d., and ordinary to good ordinary at from 50s. to 55s. Unsorted native Calicut was bought in at 56s. to 60s., brown rough Calicut at 40s., D. rough at 37s., and Japanese limed at 32s.

**GUINEA GRAINS.**—The few bags in Liverpool are now held for 85s., and a small sale in London has been made at a higher figure, said to be 90s.

**GUM ARABIC.**—Persian so-called "insoluble" gum is very firm, but quiet. Partly blocky sorts are quoted at from 15s. to 17s., Mohamreh at 18s. to 22s. 6d., and pale picked amber at 20s. to 24s. per cwt.

**INSECT-FLOWERS** are considerably dearer both on the spot and in Trieste, owing to the fact that so far the picking

has proved extremely small. It is not yet confirmed that the crop altogether has proved a small one, as some districts have not been worked, but more definite news may be expected about the middle of July, when the crops will be in dealers' hands. At the moment extreme scarcity prevails in London, and practically the only first-hand holder has advanced his price to 180s. for closed and to 140s. for half-closed. The c.i.f. prices are almost on a level with spot prices, but are nominal. Finest English ground powder from closed flowers is worth 2s. per lb., and from half-closed, 1s. 4½d., and is comparatively scarce.

**IPECACUANHA.**—The s.s. *Aragon*, from Monte Video, has brought 27 bales of Matto Grosso, and 20 of Cartagena have also arrived. The importers are very firm at 5s. 6d. per lb., and a single bale has been sold at this figure. Cartagena is quoted 4s. 5d.

**JALAP.**—Business has been done on the spot at from 1s. 10d. to 2s. per lb., according to quantity and test. New York quotes 2s. to 2s. 2d. c.i.f.

**MACE.**—At auction West Indian was steady, seven packages realising from 1s. 6d. to 1s. 7d. for ordinary to fair and 1s. 3d. to 1s. 5d. for broken; 12 cases of good Java were bought in at 2s.

**MENTHOL.**—There has been a little speculative excitement in this article, a very fair quantity having changed hands, estimated at probably over 150 cases, chiefly for June-July and July-August shipment, at from 7s. 6d. to 7s. 7½d. to 7s. 9d. c.i.f. for Kobayashi, but higher prices are now asked, the market closing with buyers at 7s. 9d. and sellers at 7s. 10½d.; sales of Suzuki have been made at 7s. 8d. c.i.f. On the spot a fair business has also been done commencing at 7s. 5d. and closing at 7s. 10d. for Kobayashi, and the asking price is now 8s.

**OIL, ANISEED (STAR).**—The spot quotation remains unchanged at 4s. 5d., and on c.i.f. terms 4s. 5d. is also quoted.

**OIL, BERGAMOT.**—Quotations from Sicily are easier, with offers at from 16s. 9d. to 17s. per lb., c.i.f., the demand continuing quiet; and on the spot 18s. is quoted.

**OIL, CAJUPUT.**—The exports of cajuput oil from Macassar during 1908 were less than in previous years owing to prices having been most unfavourable. There are large stocks in dealers' hands, says the British Consul at Macassar in his annual report. The number of crates shipped during 1908 was 2,950, whereas in 1906 and 1907 3,713 and 3,695 respectively were exported.

**OIL, COD-LIVER.**—Although little business is reported here, the market is firmer, the general quotation for finest non-freezing Lofoten oil now being 64s. per barrel, c.i.f. terms. Under date of June 7, our Bergen correspondent writes that the Finnmarken fishing still continues, but the number of fishermen taking part in it, as well as the results of the fishery, are now steadily declining. The statistics are as follows:

	1909	1908	1907
Catch of cods (millions) ...	53.8	44.5	46.2
Yield of cod-liver oil (barrels)...	41,300	47,700	38,400
Livers for "raw" oils (hect.)...	27,000	22,700	20,400

Prices for the livers have a rising tendency, and at the same time they are becoming leaner. The market for finest non-congealing Lofoten cod-liver oil is rather firmer at 63s. per barrel, c.i.f. (see cable). The exports from Bergen up to date amount to 5,884 barrels, against 7,809 barrels at the same date of last year.

**OIL, LEMON.**—An advice from Sicily of May 29 states that trade continues extremely quiet, as there is no demand from consuming centres; local buyers also have been very reserved in consequence, and show no desire yet to cover their requirements in fulfilment of previous blank sales. Needy sellers continue to solicit bids for their goods, and in order to do business had to accept price-reductions. A few parcels only changed hands at the reduced rates, as most sellers still hope for a firmer tendency when consumption becomes more active. For shipment 3s. per lb., c.i.f., is quoted; and on the spot prices vary from 3s. 3d. to 3s. 6d., according to holder.

**OIL, NEROLI.**—Reports from the South of France continue to indicate that prices will be dearer this season, owing to frosts early in May having damaged the crop and the fact that the so-called syndicate bought flowers at higher prices than now appear to be justifiable. The



present price of the new distillate is about 20s. per oz. for finest quality.

**OIL, PEPPERMINT.**—Japanese dementholised is firmer in sympathy with menthol, a fair business having been done to arrive in Kobayashi for June-July shipment at 4s. 9d., c.i.f., and holders on the spot now ask 5s.—an advance of 2d. to 3d. Sellers of American H.G.H. are somewhat firmer, and in small lots the quotation is 8s. 10½d. Wayne County in tins continues quiet, good brands offering at 6s. 3d., and in second-hands business has been done at slightly under.

**OILS (FIXED).**—*Linseed* is steady at 23s. 7½d. in pipes and at 23s. 10½d. in barrels; East Indian being quoted at a premium of 4½d. on these prices. *Cottonseed* is steady, crude having been sold at 22s. 9d.; ordinary pale refined is quoted at 24s. and sweet refined at 26s. *Soya-bean* oil is about 9d. dearer at 21s. 9d. naked on the spot; Ceylon coconut maintains the higher price of 31s. and Cochin is 6d. higher on the week, closing at 34s. spot. *Lagos Palm* oil is unaltered at 28s.; ordinary brown *Rape* is quoted at 27s. and at 29s. for English refined in casks. *Turpentine* is about 1s. 9d. dearer on the week, American closing at 29s. 9d. on the spot and at 30s. for July-December delivery. *Petroleum* is quiet at from 6d. to 6½d. for Russian, 6½d. to 6¾d. for ordinary refined American, and at from 7¼d. to 7¾d. per gal. for water-white.

Opium is a steady market, and prices continue firm in sympathy with primary markets. The business, however, is for immediate consumption, as all signs point to a good Turkey crop, it being stated that from 7,000 to 8,000 cases may be expected. Quotations for good Turkey druggists' range from 12s. 6d. to 13s. 6d., Malatia from 12s. 9d. to 13s. 9d., and Tokat at from 13s. 6d. to 14s. 6d. Persian opium continues in moderate demand at recent prices, the sales including a few lots of over 10-per-cent. at 13s. to 13s. 9d. and 9-per-cent. at 12s. 6d.

The month of May, says a Smyrna review, was very active, sales amounting to 235 cases, principally for U.S.A., at from 10s. 6d. to 12s. 9d., market closing firm without buyers. Beneficial rains have fallen during the month, through the opium-producing districts, and unless anything unforeseen happens a fair average crop is assured. The arrivals in Smyrna to date amount to 2,068 cases, against 1,387 cases at the same period of last year, and in Constantinople to 2,055 cases, against 474 cases at the corresponding date of last year.

A Smyrna correspondent writes on June 5 that the sales for the week amount to 32 cases, principally for America, at 110 piastres for "first choice," or 12s. 2d. per lb. c.i.f. European ports; some cases of inferior qualities were also sold at 105 piastres. A small case of 40 kilos. of the new crop has just arrived from Axar, as compared with nine cases last year at the same date. This difference is attributed to the rains which have fallen in the neighbourhood of Smyrna, and which have retarded the cutting, but it is confidently anticipated that in the course of a few days arrivals of new crop will exceed those received last year. The continued sales and the prices obtained will unfortunately affect purchases in the interior. Market closed firmly with buyers.

Another report, dated June 4, states that the position is weaker owing to favourable reports from the Interior concerning the crop, which from all accounts will exceed 7,000 cases. The arrivals consist of two cases (1909 crop), against nine (1908 crop) over date last year. Now that the arrivals of old opium have stopped, and we commence the new year, we can say exactly what the crop of 1908 has been. The arrivals on this market from June 5, 1908, to June 4, 1909, were 2,068 cases, to Constantinople 2,060 cases, and to Salonica 700 cases, making 4,828 cases, to which we add 1,723 cases (stock existing in Smyrna) on June 5, 1908, or in all 6,556 cases. From this we deduct the sales from June 5, 1908 to June 4, 1909—viz., 2,756 for Smyrna, 600 for Salonica, and 1,966 for Constantinople, making in all 5,322 cases, thus leaving a stock of 1,234 cases of 150 lb., which is divided between Smyrna (1085), Constantinople (94), and Salonica (55).

**OTTO OF ROSE.**—Our Bulgarian correspondent, under date of June 3, writes us that the rose-harvest is now in full force, and its distillation has been progressing under unusually propitious conditions. Fresh and cool weather has prevailed throughout the week, and rains have fallen over the rose district. In consequence, the yield of otto from the rose-flowers has been extremely good during this week, and its quality even richer than the otto of the 1900 crop. Judging from the results already obtained, a good crop—over 30 per cent. larger than last year's—is certain; and if the present favourable weather continues during the re-

mainder of the distillation the new crop will certainly prove as large as that of 1906. After two years of short and poor crops, the rose-farmers all over the rose district are happy and jubilant over the prospects of a really good crop, of which they are in sore need—a crop that may fully repay the careful and laborious rose-culture and give them sufficient income for honest living.

**PEPPER.**—At auction 141 bags of Singapore were bought in at 3¾d. for grey; and of 167 bags Wynaad 133 sold at 3¾d. for fine. Of Ceylon, 35 bags offered and sold at 4d. for fine bold, and at from 3¼d. to 3¾d. for good to fine. Privately the market for Singapore to arrive is dearer, a fair business having been done, including July-September shipment at 3½d. and January-March at 3¾d. c.i.f.w. On the spot fair quality is quoted at 3¾d.

**PEPPER (WHITE).**—At auction 20 bags of Singapore were bought in at 5½d. for fair, and 33 bags Penang at 4¾d.; 39 bags of Ceylon offered and sold at 5¼d. for good small and 4¾d. for small. Privately a large business has been done at higher prices, including 100 tons of Singapore at 4¼d. for June-July shipment, and at 4½d. to 4¾d. for August-October up to October-December shipment. On the spot fair Singapore is quoted at 5¾d.

**QUICKSILVER.**—Two lots of 5,000 bottles each have arrived from Seville this week on behalf of the principal importers. Imports this year, according to the Board of Trade statistics, have been 22,898 bottles, against 28,390 in 1908, exports amounting to 5,586 bottles, against 10,000 bottles last year. The first-hand price is 8l. 7s. 6d., seconds offering at 8l. 3s. 6d.

**QUININE** remains without alteration, the demand being quite retail. Second-hands quote the usual German brands of sulphate at 7d., outside makes, such as Amsterdam and Java, being offered at 6¾d. per oz.

**SAFFRON.**—The Spanish market is very firm, the lower qualities especially having risen out of all proportion, so that there is now not more than 2s. per lb. difference between the finest and poorest grades. On the spot from 31s. 6d. to 29s. per lb. net is quoted for B.P. qualities, the higher price being for finest Valencia.

**SANTONIN.**—The future continues uncertain, with makers still refusing to book orders for forward delivery. On the spot extreme scarcity prevails, and a fortunate holder could probably obtain 14s. for a 28-lb. lot.

**SARSAPARILLA.**—The arrivals comprise about 17 bales Native-Jamaica and four of Lima-Jamaica, but no grey.

**SENEGA.**—Small spot sales have been made at 1s. 11d. net.

**SHELLAC.**—At auction on Tuesday 525 cases were offered, of which 340 cases sold without reserve at steady prices for TN, fine Orange being rather dearer and common blocky Garnet easier. Very fine *Orange*, 85s. to 86s.; *R.L.S.* in heart, 83s.; good bright free pale *Orange*, 73s. to 74s.; TN qualities, dull small flat free, 66s. to 67s.; flat reddish livery, 64s. to 65s. *Garnet*, good free G.A.L. in circle, 63s.; ordinary dull blocky, 51s. to 52s.; common dark weak, 34s. to 35s. *Button*, good B.L. circle 2, 67s. to 68s.; good free dark, 62s. to 64s.; and B.L. 3, resinous-free, 54s. per cwt. Privately the spot market has been dull, with small sales of fair free TN at 67s. to 68s.; and for shipment 64s. c.i.f. is quoted. Good and fine Orange marks are steady, with sales of O.K. at 75s. A.C. Garnet is quoted 65s., and G.A.L. 60s., spot. Futures have been irregular, closing easier, August selling at 67s. 6d. to 69s., October at 70s. to 69s., December at 71s. to 69s.

**SPERMACETI.**—English refined is quoted at from 1s. 2d. to 1s. 2½d. per lb.

**TRAGACANTH.**—Although a fair business has been done, prices are somewhat easier all round. The chief demand has been for the lower grades of Persian and Bagdad. Bagdad firsts are quoted at from 15l. 10s. to 16l. 10s., seconds at 14l. to 15l., thirds at 11l. to 13l., fourths at 8l. 10s. to 10l. 10s., and yellow and pinky at from 6l. to 9l. per cwt.

**TURMERIC.**—Quiet. The sales include fair bright Madras finger at from 18s. to 18s. 6d., and Bengal at from 18s. 6d. to 19s. Small sales of split Cochin bulbs have been made at 13s. spot.

**WAX (JAPAN).**—Good squares are quoted on the spot at from 46s. to 46s. 6d.; and for shipment 43s. 6d. c.i.f. has been paid, and sellers.



WOOD OIL.—Sellers of Hankow quote 26s. 6d. on the spot; and June-August steamer on c.i.f. terms is also quoted at 26s. 6d.

### Heavy Chemicals.

There is little of change or of special importance to be recorded regarding the position of affairs in the heavy-chemical market. A steady though perhaps somewhat quiet business is being transacted, and the export branch more particularly shows an improvement. Values keep on the steady side and without material fluctuations.

SULPHATE OF AMMONIA.—The market is quiet, with tendency of prices slightly in sellers' favour. Present nearest figures: Beckton prompt 11l. 10s., Beckton terms 11l. to 11l. 1s. 3d., London 11l., Leith 11l. 5s. to 11l. 7s. 6d., Liverpool 11l. 1s. 3d. to 11l. 2s. 6d., and Hull 11l. to 11l. 1s. 3d.

BENZOLS are quiet, though perhaps not quite so much so as they were, and the range of prices is just a trifle better—90 per cent. 5½d. to 6½d. per gal., and 50 per cent. 6¼d. to 7d. per gal., according to market.

MAGNESIUM SALTS are in somewhat better request at unaltered rates. Sulphate 62s. 6d. to 65s. per ton, chloride 67s. 6d. to 70s. per ton, and carbonate 30s. to 35s. per cwt.

ACIDS are without material fluctuation and in fair general request. Nitric, 84° Tw., 16l. to 16l. 10s. per ton; and 80° Tw., 14l. 5s. to 15l. per ton. Sulphuric acid 168° Tw., 60s. to 62s. 6d. per ton; and 150° Tw., 30s. to 32s. 6d. per ton, all naked. Hydrochloric acid, 2s. 3d. to 2s. 6d. per bottle.

ZINC SALTS are in fair average consumption and without quotable change. Zinc sulphate crystals 6l. 15s. to 7l. per ton, and zinc chloride solution, 100° Tw., 6l. to 6l. 5s. per ton.

LEAD-PRODUCTS are in steady request and have a fairly firm tone. White acetate of lead 23l. 5s. to 23l. 10s. and brown acetate of lead 18l. 10s. to 18l. 15s., nitrate of lead 25l. 5s. to 25l. 10s., and all less 2½ per cent. Glasgow. White lead 16l. 15s., and red lead 15l. 15s. per ton Tyne.

SULPHOCYANIDES keep on the quiet side at late rates. Potassium 7d. per lb., ammonium, 95-per-cent., 6¾d. to 7d. per lb.; and barium, 95-per-cent., 3¼d. per lb.

### Manchester Chemical-market.

*Manchester, June 8.*

So far as quantities are concerned, exports of heavy chemicals during May are again regarded as satisfactory. Values, although there might be some improvement, are also fairly satisfactory. The total exports of drugs and medicinal preparations for the past five months is returned at 670,314l., as against 648,662l. at the corresponding period of last year. Dyes and colours show a slight decline on the month. On the spot the feature still continues in the advance of sulphate of copper, which is fully 10s. to 15s. per ton dearer than in the previous week. Work in this district has scarcely started since the Whitsuntide holidays, and, speaking generally, prices of heavy chemicals and kindred products remain unchanged.

### American Drug-market.

*New York, June 1.*

During the period under review there have been few changes in conditions governing the New York drug-market. Business continues of a hand-to-mouth nature, with the total turnover disappointing. Price changes have been few.

ALOES.—Curaçao is in quiet demand at 6½c. to 7c. as formerly. Cape is worth 8c.

CASCARA SAGRADA.—Buyers continue to take only sufficient to cover immediate wants, and the market is barely steady on an 8½c. basis. Regarding the crop outlook on the coast, contradictory reports have been received, and local dealers are not inclined to operate in a large way in the present undeveloped state of the primary market.

ASAETIDA is in good demand, and scarce owing to the difficulty in obtaining grades suitable for this market. Prices meantime range from 35c. to 50c., but a higher level is expected.

COPAIBA.—Central and South American is quiet but steady at the former range of 45c. to 50c. Comparatively heavy receipts of Para have contributed to a lower market for this grade, 52½c. being now available in several quarters.

CANADA BALSAM continues firm at \$7.50 per gal., owing to extreme scarcity and limited distribution of supplies. Oregon is quoted at 90c. to \$1 per lb.

HYDRASTIS.—Demand continues backward, and while \$1.80 to \$1.90 is generally quoted, shading of prices is necessary to induce business.

IPECACUANHA is offered at \$1.20 and 95c. for Rio and Cartagena respectively.

JALAP.—The main supplies in this market are in the hands of a few dealers and prices are firm at 45c. to 50c. No further shipments from Mexico are expected, and all parcels to arrive are reported sold.

MANDRAKE is more freely offered from primary sources, and spot prices are lower by ½c. at 8c. for fair grades in moderate quantities.

OPIMUM continues in quiet demand and easy at \$4.25 for jobbing lots. Inquiry for case lots has not been stimulated by firmer advices from primary sources combined with the likelihood of an increased tariff, and as low as \$4.15 is said to have been accepted in order to secure business. The usual case quotations are, however, \$4.20 to \$4.25.

PEPPERMINT OIL (AMERICAN).—The market for "tin" oil shows little of new feature. Prices on spot are fairly steady at \$1.45 to \$1.50, with \$1.40 acceptable for large quantities. Advices from growing areas indicate favourable weather for the development of the plants and a good crop is expected, although the acreage under cultivation may be a trifle less than in previous years.

### English Herb-crops.

Messrs. Stafford Allen & Sons, Ltd., write on June 7 that the late spring has kept growth back, but there has been an absence of frosts, which has been very beneficial. The crops made rather slow progress in the early part of May owing to the excessive warmth without moisture, but the recent rains came just in time, and have greatly improved prospects all round.

ACONITE (ACONITUM NAPELLUS).—The cultivation in England is only on a small scale. We look for an average crop.

BELLADONNA.—We look for quite a good crop. The growth has been delayed owing to the late spring, but the plants have not suffered by May frosts, as is so often the case with this rather delicate plant.

CHAMOMILE.—This looks well so far, and we hope for an average crop. Owing to the poor crop last season the output of oil was not sufficient for the demand, and we expect a ready sale for the oil this season.

DANDELION.—Last autumn produced a very heavy supply, and prices of the manufactured products have declined. There seems every prospect of a good crop in the coming autumn.

DILL appears likely to be up to the average, provided we do not have too much heavy rain.

FOXGLOVE.—The second-year plants have stood the winter well, and should bear a fair crop of leaf. The prospects for the first-year plants are also good.

HEMLOCK is an average crop, but late.

HENBANE.—It is always difficult to forecast what this plant will do. If we have too much sun it does not grow; if we have too much rain it all runs to stalk. It has suffered rather from the one late frost which we had in the spring, and owing to the drought the plants have come into bloom much earlier than usual, the growth being considerably stunted in consequence. There should be a good crop of flowers, though not so large as anticipated earlier in the season.

LAVENDER.—It is too early to say much as regards this, but the bushes look well and green, especially the younger ones.

LETTUCE (LACTUCA VIROSA) promises well for a fair crop.

PEPPERMINT.—Owing to the dry spell in May the planting out of this was much hindered, but the recent heavy rains have greatly improved prospects, and we look for a fair crop.

RED POPPY PETALS.—The crop will probably be up to the average, but we shall require warm weather to bring these on to best advantage.

ROSEMARY.—This suffered very considerably from the sharp frost we had during the winter.

ROSES promise well, and we look to a good supply of dry petals.

RHUBARB.—The young plantations look healthy and strong, and do not seem to have suffered at all from the cold winter.

STRAMONIUM.—If the weather conditions continue favourable we shall have a nice crop this season.

VALERIAN greatly needed rain, and is very backward.

MR. F. A. ROADKNIGHT, of Messrs. E. M. de Souza & Co., Rangoon, is now in England on holiday, having spent nearly six years in Burmah. Mr. Roadknight likes the country well and intends going back in November.

HUMAN AILMENTS are intelligently treated in "Diseases and Remedies." It is written specially for chemists and is published by the C. & D. at 3s., post free 3s. 3d. It soon pays for itself in profitable sales of remedies to suit each case.

At the auction of cinchona held at Amsterdam on Thursday, June 10, 8,040 packages were offered, of which 7,143 packages were sold at an average unit of 3.10c. per half-kilo., against 3.20c. paid at the auction on May 6. The following were the approximate quantities of quinine purchased by the factories: (1) The English and American factories, 9,295 kilos.; (2) the Brunswick factory, 5,162 kilos.; (3) the Mannheim factory, 6,620 kilos.; (4) the Amsterdam factory, 2,774 kilos.; (5) the Frankfurt and Stuttgart factories, 5,795 kilos.; (6) the Maarsen factory, 1,946 kilos.; (7) various buyers, 5,399 kilos. The lowest price paid for manufacturing-bark was 7¼c., and the highest 35½c., while for druggists' bark from 5¼c. to 42¼c. was paid.



## London Drug Statistics.

THE following statistics are compiled from information supplied by public warehouses. They relate to the receipts and deliveries of some of the leading drugs from and into the London public warehouses for the month of May 1909, and to the stocks on May 31.

	May		Stocks		1909	
	Landed	Delivd.	1909	1908	Imprtd.	Delivd.
Aloes.....es. etc.	151	124	425	243	739	775
.....gourds	—	—	291	1,371	92	1,001
Aniseed, star.....cs.	—	—	—	—	—	74
Arrowroot.....pkgs.	951	995	5,105	9,180	3,725	5,040
Balsams... cks. etc.	24	54	396	476	336	302
Calumba.....bgs.	—	29	67	166	31	150
Camphor.....pkgs.	472	617	475	1,430	2,185	2,22
Candamoms.....	490	504	1,218	1,502	2,355	2,018
Cascara sagrada tons	—	40	501	—	17	119
Cinchona.....pkgs.	894	439	4,852	4,746	2,797	2,128
Cocculus indicus ..	—	—	—	17	—	—
Cochineal.....	12	40	843	694	471	355
Cubeb.....bgs.	—	12	2	186	38	76
Dragon's blood pkgs.	22	32	70	100	69	105
Galls.....	532	291	1,804	1,556	2,005	1,397
Gums—						
Ammoniacum ..	9	9	13	10	15	12
Animi.....	130	48	338	233	522	373
Arabic.....	1,190	505	5,967	6,038	3,490	3,228
Asafetida.....	4	22	32	371	129	171
Benzoin.....	176	172	996	407	1,588	1,147
Copal.....	4,087	3,855	26,005	16,504	17,954	19,631
Damar.....	520	309	4,024	2,014	2,325	1,801
Galbanum.....	—	—	—	—	—	—
Gamboge.....	7	18	104	83	161	134
Guaiacum.....	—	1	74	69	11	8
Kauri... tons net	52	49	357	565	159	352
Kino.....pkgs.	—	8	91	53	—	27
Mastic.....	—	2	19	11	23	13
Myrrh, E.L.....	79	51	351	321	175	202
Olibanum.....	6	209	826	1,243	119	789
Sandarac.....	43	121	657	462	699	500
Tragacanth.....	1,128	1,136	6,229	4,926	7,955	5,915
Peccacuanha—						
Cartagena.....	24	20	68	43	110	59
E.L. ("Johore") ..	—	—	3	19	18	20
Matto Grosso ..	9	52	68	48	81	124
Minas.....	—	9	6	36	17	29
Jalap.....bgs.	3	—	3	6	3	14
Nux vomica.....pkgs.	232	1	981	613	415	313
Oils—						
*Aniseed, star.....es.	10	—	54	21	70	45
Cassia.....	—	14	103	64	112	79
Castor.....pkgs.	35	102	157	281	259	259
Coconut.....tons	88	113	352	503	362	1,481
Olive.....pkgs.	334	409	2,283	1,742	3,826	3,403
Palm.....tons	5	1	5	8	11	14
Quinine.....lb.	5,312	5,250	207,782	208,811	24,062	25,754
Rhubarb.....cs.	33	58	604	356	97	385
Sarsaparilla...bgs.	211	173	336	241	665	592
Senna.....pkgs.	407	403	754	390	1,737	1,993
Shellac.....cs.	3,496	5,185	41,695	31,872	18,226	24,652
Turmeric.....tons	21	23	262	303	102	102
Wax—						
Bees.....pkgs.	215	315	1,635	1,313	1,789	2,061
Vegetable(Jap)...	125	205	714	152	990	458

\* Stocks of essential oils at Smith's Wharf and Brewer's Quay are not included.

## Japanese Trade in 1908.

By Ernest O. James.

THE annual return of the foreign trade of the Empire of Japan has just been published, and as indications were not wanting in 1907 to show that imports and exports combined would show a large falling-off when the figures for 1908 were available, it occasions no surprise to find that the decrease now to be seen is 112,377,084 yen when compared with the figures of 1907. Imports were again in excess of exports, the difference during the year being 58,011,789 yen.

The total value of imports of drugs, chemicals, and medicinal preparations in comparison with the two previous years was as follows:

1906	1907	1908
Yen 15,532,198	Yen 18,832,514	Yen 18,577,887

showing a decrease under 1907 of 254,627 yen.

The figures show a serious decline in the trade of the Empire under almost all headings, and of the principal materials imported affecting the drug and chemical trades the following list shows the value of the imports in yen, in 1908, as compared with imports of 1907:

	1907	1908
Chlorate of potash ...	Yen 1,187,076	Yen 860,169
Caustic Soda ...	1,171,180	1,121,150
Aniline dyes ...	2,471,856	2,030,784
Crude soda nitrate ...	637,213	609,419
Soda-ash ...	818,961	808,653

The trade in drugs and chemicals, chiefly imported from England, Germany, and the United States, has suffered by the general depression, the falling-off in many articles of import besides being partly due to the revision of the Customs tariff in 1906, which was the cause of stocks being laid in which could not be disposed of as anticipated. The charges incurred soon absorbed the difference in duties, and many goods being thrown on the market, depressed it further.

Of the numerous varieties of chemicals, etc., imported, the following comprises the principal imports, and, as showing the predominance of exports from Germany over those from Great Britain, should prove of interest to British manufacturers:

Name	Quantity	Total Imports	Of which Gt. Brit. Con-tributed	Of which Germany Con-tributed	Of which U.S.A. Con-tributed
Hops ...	Kin	221,356	10,999	200,522	3,479
Liquorice ...	"	558,336	—	254	—
Saffron ...	"	3,966	190	1,201	—
Rad. Ipecac... ..	"	3,060	491	2,342	227
Rad. Cinchona ..	"	54,116	5,421	41,431	—
Rad. Rhei.....	"	236,680	—	984	—
Rad. Senega.....	"	42,292	—	—	28,530
Musk.....	Mom	6,189	—	—	—
Artificial.....	"	66,291	3,637	33,552	—
Glove.....	Kin	107,962	32	—	38
Clues.....	"	1,395,521	419,904	477,997	3,271
Rosin.....	"	6,074,583	520	15,030	5,774,559
Catechu.....	"	936,710	—	500	—
Gum arabic.....	"	202,378	—	49,537	—
Shellac.....	"	119,260	996	38	11,710
Gelatin.....	"	121,322	28,233	73,242	24
Phosphorus (red or amorphous) ..	"	193,695	92,077	18,165	—
(yellow).....	"	167,214	116,422	30,367	—
Acid, Boric.....	"	412,189	126,462	285,716	33
Acetic.....	"	905,929	158,781	395,757	—
Tartaric.....	"	216,218	43,131	39,701	1,693
Salicylic.....	"	216,845	847	213,628	—
Carbolic.....	"	899,651	307,759	570,958	—
Citric.....	"	40,201	30,871	7,560	—
Tannic.....	"	6,189	—	—	—
Soda-Caustic.....	"	15,766,780	15,292,201	473,987	96
Soda-Ash.....	"	24,387,481	24,350,760	34,781	1,920
Bicarbonate.....	"	5,756,650	5,496,055	64,556	8,477
Nitrate Crude ..	"	9,690,877	—	—	254,016
Borate.....	"	249,998	185,454	164,217	327
Salicylate.....	"	31,439	—	31,439	—
Potash Chlorate ..	"	4,431,865	2,420,640	514,661	108,381
Cyanide.....	"	554,536	314,611	187,750	160
Bichromate.....	"	401,661	205,197	190,784	—
Bromide.....	"	70,477	2,117	64,126	4,234
Magnesia Carb. ..	"	284,337	263,584	18,393	2,360
Alum.....	"	363,407	—	—	—
Bismuth Subnit ..	"	23,741	12,401	11,340	—
Ammonia.....	"	110,627,601	103,411,790	389,817	—
Sulphate.....	"	308,847	—	—	—
Carbonate.....	"	519,470	118,466	369,864	—
Formalin.....	"	463,390	323,364	50,236	25,016
Glycerin.....	"	72,509	9,256	54,943	—
Antifebrin.....	"	7,008	—	6,674	—
Santonin.....	"	665,196	9,570	816,026	—
Antipyrine.....oz.	"	89,091	5,110	67,500	65
Quin. sulph. & hyd.	"	41,113	31,440	14,455	—
Morph. sulph. & hyd.	"	16,888	808	14,455	—
Cocaine sulph. & hyd.	"	48,821	17,653	23,168	—
Creosote Carbonate	Kin	—	—	—	—
All other drugs, chemicals & medicines	Yen	1,994,348	358,058	932,712	321,667
Medicinal preparations ..	"	79,574	10,460	22,014	40,450

(The kin is equivalent to 1.32 lb. avoiz., and 10 yen equals approximately 1l.)

Among the principal drug and chemical imports from other countries may be mentioned:

Phosphorus—red & yellow ...	kin 103,278	France
Crude nitrate of soda ...	9,297,356	Chile
Chlorate of potash ...	1,358,163	France
Crude ammonia sulphate ..	95,269	China
".....	6,561,565	Belgium
".....	169,170	Holland
Catechu.....	757,577	Strait Settlements
Creosote carbonate.....	cvs. 8,000	Switzerland
Mercury.....	kin 51,597	Spain
Acid acetic.....	23,266	Denmark



In consequence of the general depression in trade the import of aniline colours shows a decrease in 1908 of 808,072 kin against that of 1907. The total imports were 4,615,771 kin, drawn from the following sources: Great Britain, 55,353 kin; France, 55,798 kin; Germany, 3,718,959 kin; Belgium, 14,524 kin; Switzerland, 701,303 kin; Holland, 68,506 kin; and other countries, 1,318 kin.

The trade in colours and dyes being closely connected with the Japanese export trade, more particularly as regards the spinning and weaving industries, its rise and fall much depends upon the state of those industries. Alizarine colours showed a slight increase, the figures for 1908 and 1907 being respectively 124,950 kin and 121,451 kin.

In anticipation of the usual summer demand there were large importations of all kinds of fertilisers, and the sudden and unexpected breaking of the market caused a number of failures among Japanese dealers and resulted in a general disorganisation of trade. Although the result of the year's business must be considered unsatisfactory, still the Customs report shows an increase of 10 per cent. over the previous year. In Japan the output of sulphate of ammonia is still limited, the monthly output of various companies being 20 tons from the Osaka Gasworks, 10 tons Nagoya Gasworks, 10 tons Tokyo Gasworks, 5 tons Osaka Seimei, and 180 tons from the Government Ironworks. The Japanese article is much inferior to the imported, as it contains too much sulphuric acid.

Among exports of chemicals and drugs from Japan for 1908 were the following:

Ginseng, amounting to 137,760 kin; China bought the greater supply.

Sulphur, 50,885,719; over 29,000,000 went to Australia.

Camphor, 1,807,565; America and Germany largest buyers.

Camphor oil, 1,259,983; America and Germany largest buyers.

Menthol, 55,406; Germany and Great Britain were the largest buyers.

Peppermint oil, 103,906; Hong Kong 59,098 (*in tr.*) and Great Britain 24,816 were the largest buyers.

Sulphuric acid, 2,689,991; China, Hong Kong, and Dutch India being largest buyers.

Fish and whale oil, 38,480,222; almost the whole going to Germany and Great Britain.

Colza oil, 11,913,954; Great Britain purchased 9,413,454.

Vegetable wax, 3,817,374; Hong Kong *in tr.*

Iodine (crude), 16,133; Great Britain, Germany, and U.S.A. largest buyers.

Potassium iodide, 22,969; Great Britain, Germany, and U.S.A. largest buyers.

Prepared medicines, 489,145 yen; practically the whole went to China, Korea, and Hawaii.

From a glance at the preceding figures relating to the importations of pharmaceutical drugs and chemicals it will be seen that Germany far outdistances Great Britain and America in her exportations, and this is undoubtedly due to the strong hold which Germany obtained, and still maintains, by the influence which was gained through the medical training of the majority of Japanese physicians in Germany. Of the stocks of pharmaceutical and galenic preparations held by the wholesale chemists in both Tokyo and Yokohama, from a personal knowledge it would be no exaggeration to say that importations from Germany comprise at least 80 per cent. The British Commercial Attaché, in his report published in *THE CHEMIST AND DRUGGIST* of August 8, 1908, attributes this cause to two factors—the German education of the Japanese medical men, and the fact that British manufacturers are not so assiduous in cultivating the Japanese market as their German rivals. It may be remembered that his report also dealt with the subject of commercial travellers, in which he called attention to the fact “that most commercial travellers who visit Japan are not responsible representatives of the different makers or firms whose samples they carry.” This applies as forcibly to the drug and chemical trades as to others, and home manufacturers would be in a better position to successfully compete with their German rivals should they be actively represented by a responsible person carrying their full power of attorney, enabling him to deal, to the satisfaction of both buyer and seller, with possible shipments which have been rejected by the laboratory authorities.

## How to Treat Travellers.

1. Traveller after traveller comes into the shop; the day is far advanced and not a stroke of your regular shop work has been touched. Is it polite or etiquette to tell a man, who you know may have come to the town specially to see you, that you cannot be seen?

2. You are working single-handed. A prescription is brought in and promised for fifteen minutes. Immediately a traveller walks in, and, seeing no customer in the shop, starts to talk and unpack samples. Is it the proper thing to tell the traveller that his presence is inconvenient, or to let the customer wait when the medicine is called for?

THESE questions were put by a Chemist in the *C. & D.*, May 15, and we invited replies, which we are now printing week by week.

Reply to traveller, ‘My dear sir, please leave me a list of your specialities and your private address, and I shall be pleased to give it full consideration. You will help me by allowing me to attend to my business, for, being single-handed, it is quite impossible to give time inspecting your samples, especially as several prescriptions and other duties await my attention. I hope you readily understand my circumstances, and trust I may be able to post you an order if I can utilise your goods. Every success. Good-day, sir.’—L. J. CARROLL.

Travellers often have a lot to put up with as well as chemists. They work hard for all they get, and do their duty to their employers and their customers as well as they can, and therefore deserve consideration, so I should either name some hour in the day when they might call again, or if too busy, ask them to leave price-lists with any special lines marked, also their own address where orders might be sent. Most travellers have plenty of tact and will appreciate this. I should also be thankful when pressure of business made this necessary.—W. T. GUY.

The traveller is an indispensable medium between wholesaler and retailer, and should always receive perfect courtesy and reasonable treatment so long as he himself is courteous and reasonable in his demands upon the chemist's time and convenience. He should never, except by special appointment, call on a chemist during the evening, and his first inquiry should always be, “Is it convenient for you to see me now or later?” Many travellers are very shortcoming in this respect. The studded bag is on your select mahogany and a lecture on smart lines in full swing before you have had time to say, “Quite well, thank you.” (1) Explain circumstances and see traveller after closing or early next morning. (2) Never keep anyone waiting for medicine a moment longer than is necessary.—F. W. VASEY.

The commercial traveller of to-day is a different being from what he was seventy years since, when principals were accustomed to take country journeys about four times a year. Junior members of historic firms afterwards were deputed to travel. This engagement was gradually relinquished in favour of the representative of the house. He had a fixed salary, and was entitled to a guinea per diem for expenses, which were at that time rather heavy: travelling by coach or hired vehicle, hotel bills, fees, and “sweeteners,” sometimes invitations to sup or dine. The innkeepers always charged a pint of wine, whether he drank it or not. Now all this is changed. The commercial has to sell on commission; he is the subject of competition with his brethren, must push on by the earliest train in order to get the first chance of an order. If he is slack the firm send him “whipping” letters. This makes him pressing with customers, some of whom are not the best-tempered of mortals. “Do pray give me a line, if only for one article, just to show our people that I have called.” As an old chemist and druggist I have had considerable experience of the class, and have listened to some of their grievances. The ill-treatment by bumptious and inflated members of the craft, who have even been insulting in the presence of their aristocratic customers, in order to show their superiority to these troublesome fellows. A facetious big man, a worshipful Mayor, in the exercise of his sagacity, wound up his contemptuous scorn by what he considered an impossible condition: “Come to-morrow morning at three o'clock.” Now this commercial was not only a man of business, but a master of his own spirit. Liberally feeling the “boots” of the Swan, he punctually appeared with his samples on a truck and rang a peal that awoke his Worship, who from a window shouted, “What the devil do you mean by disturbing me at this time o' night?” The cool reply of the man, that he always kept appointments, so softened the practical joker that he became a good customer. My experience of the commercial traveller is that he is generally a persevering, patient, and a well-behaved man that is working quite up to his capabilities and acts nobly—angels can do no more—and is thus deserving of our confidence and esteem, rather than objugation.—R. GOODWIN MUMBRAY.





**TO CORRESPONDENTS.**—A letter for publication should always be a distinct communication; nothing else should be mixed up with it. Each query—no matter whether legal, dispensing, or general—should stand by itself, and the paper upon which it is written should always be backed with the shop stamp. We do not undertake to reply to queries by post. Write clearly and concisely on one side of the paper only. All communications should be accompanied by the names and addresses of the writers. Publication of letters does not imply our agreement with them. Letters received after Wednesday morning cannot as a rule be dealt with in the current week's issue.

**BUSINESS INFORMATION.**—We supply by post (when a stamped and addressed envelope is provided) information as to the makers or agents for articles connected with pharmacy and the chemical and drug trades. Inquiries regarding any articles which cannot be traced are inserted under "Information Wanted."

#### The Spirit Duty.

SIR,—May I, through your columns, urge my fellow-pharmacists throughout the country to at once communicate with their respective members of Parliament with a view to getting a rebate on spirit used for medicinal purposes? If this matter is pressed forward in earnest I feel sure that success will attend our efforts.

Faithfully yours,

CHARLES SYMES.

Liverpool, June 8.

#### Competition in Cork.

SIR,—In reply to "W. M." in yours of June 5, I would gladly welcome a "trade association" similar to that of Belfast or Dublin; and, if I can be of any help in bringing about such a consummation, I would be only too glad; but I am afraid, at this stage of competition, it is almost hopeless. It was always a difficult matter to work a trade association in Cork, for it was conducted on too narrow lines. I would be in favour of one to unite the chemists and druggists with the pharmacists in a local association.

Yours faithfully,

RICHARD BLAIR.

Cork, June 8.

#### A Pharmacy Degree in the New Irish Universities.

SIR,—The statutes of the new Irish Universities, Dublin and Belfast, now lie on the table of the House of Commons, and will shortly pass into law if not amended. There is no provision for any degree or diploma in pharmacy, although there is a new B.Sc. in public health; but if immediate action were taken it would probably be easy to have this omission remedied, as there is no feeling against it. To be of any practical use it ought to be a degree available for either English or Irish pharmacists already qualified. There is an important precedent for recognising existing professional qualifications in the regulations of the University of Cambridge, which provide that the candidate for the degree of LL.M.—one of the most prized in the legal world—shall be excused a large portion of the examination if he be qualified to act as a barrister or solicitor in Ireland or England or an advocate in Scotland. If a succinct clause were prepared empowering the Universities to grant the degree of B.Sc. in pharmacology to persons qualified under the Pharmacy Act (Ireland), 1875, or the British Acts, some friendly M.P. might be got to do the needful.

Yours truly,

J. C. McWALTER.

Dublin, June 3.

#### Labour Members for the Pharmaceutical Council.

SIR,—Your correspondent "Yorkshire Bite" has put his finger on some of the most flagrant shortcomings of the Pharmaceutical Council as at present constituted. To the great majority of us northern provincial chemists, dispensing and the professional side of our calling are responsible for a very small proportion of our livelihood, consequently we naturally feel much disgusted that all problems touching the £ s. d. of our business are carefully

excluded from the deliberations of our fossilised councillors. We badly want some "Labour" members on our Council, their out-of-pocket expenses being paid by the local Associations whom they represent. To my mind, Sir, the country should be split up into divisions, each one sending a representative elected by the members only of that division. Until this is done, the great majority will be but imperfectly represented, their wants and needs neglected.

Yours truly,

YORKSHIRE BITE. (64/9.)

#### Chemist Extractors.

SIR,—Having served my apprenticeship to chemistry and dentistry at the same time under two different men, I can enter into the spirit of this correspondence. I consider the letter of "Optimist" to be most excellent. I have never myself thought there was any reason why a chemist should not practise dentistry, as his whole training and education tend to adapt him for it. What "Optimist" says *re* the shirt-machinist is unfortunately only too true. I was in partnership once with a dentist who used to teach his ignorant errand and page boys mechanical work, and several of these started for themselves, and took up surgical work without any teaching and no knowledge of books to read. These men are the danger to the public. In 1878, when the Dentists Act was passed, I entered a medical school and took the L.D.S., then brought out a "practical postal system" of tuition for the *sine curiculo* examinations, and gave personal demonstrations. I was thus the means of over 200 candidates obtaining their diplomas (many were chemists who are now in very good practice as dentists). So I know something about what I am writing. I was a member of the B.D.A. for some years, but did not like their views, and so resigned. I have seen eminent counsel's opinions on the Act, and feel assured that chemists who keep within bounds have nothing to fear. I enclose my name and address, and you are at liberty to give them to any gentlemen who would like to communicate with me.

L.D.S. (65/28.)

#### British Pharmacopœia Revision.

SIR,—Professor Greenish's letter prompts me to a few suggestions with reference to the work which is being done in the matter of the next B.P. It is high time that the official test for bile should be made workable, for no demonstrator who ever has to make the test for a class of students can speak of it with unstinted praise. The same remark applies to that for umbelliferone, which is referred to under one or two of the umbelliferous gum-resins. The assay processes for the official iron preparations are an enigma to both teacher and taught, and what the latter must say to the former in a certain place is not quite clear when he is asked, "Why is hydrochloric acid used as a solvent for the iron compound in one case, diluted sulphuric acid in another, and phosphoric acid in the third?" The danger of the use of heat in the last example also requires attention. Again, ferri carbonas preparations are a stumbling block to both the initiated and uninitiated; for in making the saccharated preparations the very indefinite ammonium carbonate is prescribed, in *mistura ferri* the very indefinite potassium carbonate has the preference, and in *pilula ferri* the exsiccated sodium carbonate (also an extremely indefinite substance as sold commercially and kept pharmaceutically) receives official cognisance. Why is all this? Verily, one would think that if a fourth preparation of this thing was official, the powers might select lithium carbonate; and if a fifth, then sit down and cry because there was no other soluble carbonate to choose from. One shudders when even attempting to approach the syrup of iodide of iron process and its assay, but perhaps that may be given up as a bad job altogether, as were some other problems in the last Pharmacopœia. Who has had to apply the silver-nitrate test for olive oil for the first time and has rightly understood what it all means? For the life of me I cannot understand it, and have read it many, many times. Whichever way it is read it is not a good test, nor is it put in plain English. The same applies to liquor arsenicalis. In this the assay quantities might be kept within the range of the average burette. Perhaps ambiguity is a good weapon for a book published by authority; some think it is not. There



seems no desire on the part of the committee to decide what is meant by "parts." This difficulty teems in the B.P. Look at the formula for concentrated infusion of senega and the statements re solubilities: they are most perplexing. There is one thing which has entirely escaped the workers, and that is the effect of heat on colocynth preparations. In conclusion, it is specially suggested that this topic would certainly form a useful subject for a paper at the forthcoming Conference. It is very remarkable what a powerful effect heat has upon this, as exemplified in the preparation of the compound extract, which is as big a "wrong 'un" as it is possible to have in an official work on medicines. The evil is that the error is handed on and on and on until at last a very useful remedy is discarded, and no one cares or knows why it has fallen from its former position.

Yours faithfully,

ABEL SCHOLAR.

#### A Disclaimer.

SIR,—It may appear rather late in the day by the time this reaches you to contradict a footnote appearing in the *C. & D.* of March 27 re Robert Marsden Graham and his bank. As I am the only one of that name who has been on the staff of Messrs. North & Rae, some confusion has apparently arisen between the two names. My registration took place in April, not January, 1904, and I can also assure you that neither have I run a bank, nor is there the remotest likelihood of my ever doing so.

Yours faithfully,

WALTER GRAHAM.

Yokohama, May 6.

[The confusion arises from the fact that in the Pharmaceutical Society's Calendar the address of Mr. R. M. Graham is given as c/o North & Rae, Ltd., Yokohama, while Mr. Walter Graham's address is given as 19 King's Road, S.W., the addresses apparently being transposed.—ED. *C. & D.*]

#### Hypophosphorous Acid in Analysis.

SIR,—When the ordinary medicinal hypophosphorous acid is used for such a purpose as the reduction of a mercury compound in presence of alcohol (as referred to in a recent note) it has to be borne in mind that there is liability to a considerable precipitate from the acid itself; 5 c.c. of the usual acid was mixed with 25 c.c. of 90-per-cent. spirit, after some hours filtered, and the precipitate washed with alcohol and ether. The precipitate was in small glistening crystals, and weighed when dry 0.284 gram=5.68 grams in 100 c.c. It was almost entirely soluble in water, gave an abundant precipitate of calomel when warmed with mercuric-chloride solution, and with ammonia and oxalate of ammonia readily precipitated. The crystals from the acid evidently consisted for the most part of calcium hypophosphite. Hence the necessity for washing with water as well as with spirit. Indeed, it is as well to wash the mercury with a little dilute hydrochloric acid in addition to the water in order to remove traces of sulphate and phosphate which may also be present.

Edinburgh, June 4.

Yours, etc.,  
D. B. DOTT.

#### What is a Prescription?

SIR,—As there is evidently a prevailing idea that none of the Acts define what is meant by a medical prescription, you will pardon me once more referring to that subject, seeing that to my mind that idea is more or less erroneous. I would, therefore, wish to draw your readers' attention to the following portions of the preamble of the Pharmacy Act (Ireland), 1875, which reads:

Whereas a great deficiency exists throughout Ireland of establishments and shops for the sale of medicines and compounding of prescriptions, and . . . whereas to remedy such inconvenience it is expedient . . . to enable persons who . . . desire and are qualified to open shop for the retailing, dispensing, and compounding of . . . medical prescriptions. . . . And whereas for the purposes aforesaid it is expedient that provisions such as are in this Act contained should be made for the formation of a Pharmaceutical Society in Ireland and for the examination of persons desiring to keep open shop for the purpose aforesaid . . . as fit persons to keep open shop for the dispensing and compounding of prescriptions of duly qualified medical practitioners.

Here we have three points brought out all dealing with the same subject: first, there existed a certain want in

Ireland; second, the Government proposed to supply that want by qualifying certain persons to compound medical prescriptions; and, third, the Government purposed to qualify the said persons by forming a Pharmaceutical Society in Ireland whose duty would be to examine them as to their competency and fitness to keep open shop for the purpose of compounding prescriptions of duly qualified medical practitioners. The same idea is conveyed by Clause 3 of the Pharmacy Act, 1868, on the lines of which the Irish one was drafted. From the above I think it will be evident to any reasonable mind that what the Legislature here meant was that medical prescriptions and those written by a duly qualified medical practitioner were synonymous terms. Therefore, as druggists are only debarred from compounding and dispensing medical prescriptions, I hold they are perfectly within their rights in compounding and dispensing any and all receipts and prescriptions not written by a duly qualified medical practitioner.

Faithfully yours,

JAMES D. CARSE.

Belfast.

[The preamble to which our correspondent refers was repealed in 1893 by the Statute Law Revision Act, so that the definition is non-existent in law, although it may be good argument. Similarly Section 3 of the 1868 Act throws light on the intentions of the Legislature, but these intentions were not fully carried out by the statutory provisions; in fact, the word "prescription" does not occur in Sections 15 and 17, which are the penalising sections of the Act. These circumstances leave the matter in doubt, and we are not prepared to endorse the definite statement in our correspondent's last sentence.—EDITOR *C. & D.*]

#### "Keep your Acid Winchesters near the Floor."

SIR,—I was very interested in the account of the acid catastrophe recorded in your last week's issue, and congratulate Mr. Gamlen, of Hartlepool, on his happy escape from serious injury. But—and it is a large *but*—why keep acids so high from the floor as to be able to receive the acid on the chest? My first master (a very wise man) always said, "Never store an acid above your eyes." Good advice! May I very respectfully offer it to Mr. Gamlen and all chemists?

Yours sincerely,

ACIDS ON THE LOWER SHELVES. (70/16.)

#### Unqualified Management.

SIR,—The letter by "Dekko" in your last week's issue is, I am afraid, true only in parts. Prosecution by the Society is not the only remedy for unqualified management. The fact remains that many of the qualified men are not capable of managing a business and making it pay. I know a little of what I am writing about. I was for many years in the employ of one of the largest stores in the south of England, and came into contact with many qualified men, but the truly smart business men among them were few in comparison with the number who were content to let things slide in the branch over which they had control. Proprietors of branch shops are now more than ever requiring evidence of good business ability as well as the certificate.

Yours truly,

NOT A STORE CHEMIST. (69/50.)

#### The Business of a Chemist and Druggist.

SIR,—This expression in the Poisons and Pharmacy Act has not been discussed so far (except by the *C. & D.*, which placed the legal facts before us in January). Are we afraid to discuss it? Twenty years ago the business consisted of pretending that we did dispensing still, and in recommending customers for 3d. hat stain and such like common articles to "go to the grocers or stores." Now the despised household goods have become our sheet anchor. We are tumbling over each other in imitating Jesse Boot's shop-fronts, prices, and ways generally (personality added, you know)! The business of a chemist and druggist à la John Bell or Duncan, Flockhart & Co. will be easy to define and protect; the grocers, drug stores and companies don't want that trade. But how define the trade carried on by nine-tenths of us whose poison sales are 1s. a day, who never see a prescription to dispense? Shall we ask that the once-despised "store" trade be now reserved to us alone? Shall we get it? Who knows?

JAY MACK.



**To Clean Sponges.**

Sponges can be quickly freshened by rubbing the juice of a lemon well into them, then rinsing them several times, first in hot water and then in cold.

Too much care cannot be taken to keep a sponge absolutely fresh—in other words, absolutely healthy. An occasional sun-bath is excellent, and a thorough washing with ammonia water every few weeks should not be omitted.

Before using a sponge for a young child, or indeed for anyone, no matter how carefully it is supposed to be washed, it should be run through very hot water.

SIR,—This is a very useful recipe and very effectual. If I were in business I should be inclined to print it on an envelope in which to put all sponges sold. I think the public would appreciate the delicate attention, and the chemist would supply the ammonia.

Yours truly,  
WM. BOUSFIELD.

**Legal Queries.**

Before submitting questions for reply in this section please refer to the "C. & D. Diary, 1909" for the following subjects: Income-tax, p. 220; Pharmacy Law and Poisons, p. 216, (abroad) p. 211; Spirit Laws, p. 229; Stamped Medicines, p. 221; Trade-marks, p. 194; Wines, Sale of, p. 231; and Legal matters generally, p. 233.

W. E. G. (18/31).—We have endeavoured to trace the regulation to which you refer, but so far without success. We are inquiring further.

Quarter (58/41).—According to the agreement, notice has to be given at the September quarter, and not at any other time.

Camomile (63/2).—You will find the information you want in the C. & D. Diary, p. 222, under "Chemist," and p. 223, under "Exemptions."

Poison (60/22).—There is no legally permissible amount of arsenic for solid or liquid foods. The use of arsenic-contaminated invert sugar in beer-brewing is prohibited.

H. B. (116/21).—The regulations as to the storage of poisons applies to proprietary preparations, as well as others. You will find full particulars on p. 217 of the C. & D. Diary.

Argus (68/70).—Anything sold as "Dutch drops," even in pennyworths, is liable to medicine stamp-duty, as the article is specifically charged with duty under the 1812 Act. Balsam of sulphur is not Dutch drops.

Enterprise (53/67).—The new Act does not specifically prohibit a registered chemist and druggist carrying on his business in more than one set of premises, each being conducted by himself, one set being closed when the other is open. He must show his certificate of qualification in each.

Cat (68/20).—If the apiol which you pack in capsules comes within the terms of an entire drug (and we presume that it is an alcoholic extract or a distillate *per se*), the capsules may be sold under a possessive-case name by chemists and licensed medicine-vendors without incurring stamp-duty.

Syntax (67/64).—The Board of Inland Revenue informed us some time ago that persons who are not registered chemists cannot sell spi. æther, nit. without a spirit-licence. The Board has not, however, prosecuted anyone in respect to the offence. Poppies are not a scheduled poison, but preparations of poppies are.

Hahnemann (65/47).—If you have not the letter which you received from the Registrar intimating that your name had been placed on the Register of Chemists and Druggists (where we find it still is), your best course is to obtain a shilling certificate from the Registrar and exhibit it in your premises. This is necessary under the new Act.

Doubtful (66/42).—There is no doubt about the matter. Although you trade under a firm-name, you are neither a firm nor a company, and as you do not trade in Scotland (where firms may not use the title "pharmaceutical chemist" or "pharmacist") you, as a registered chemist with your name on the current year's register, are entitled to use the description "Doubtful & Son, pharmacists."

Horse (67/38).—There is nothing in the law to prevent a chemist who is also a veterinary surgeon from keeping open shop as a chemist and at the same time practising as a veterinary surgeon. We know some who do. The Royal College of Veterinary Surgeons has power, similar to the General Medical Council, to remove names for "conduct disgraceful in a professional respect," but lawfully keeping a chemist's shop is not disgraceful conduct.

W. J. L. (67/20).—We understand that the proprietary preparation which you name contains a scheduled poison,

consequently it may not be sold by unqualified persons. The fact that a man has served a regular apprenticeship to a chemist and druggist enables him to enjoy Exemption 3 under the Medicine-stamp Act, 1812, but does not qualify him to sell poisons, even when they are contained in proprietary articles.

Muc. Acacie (68/44).—(1) Veterinary surgeons may dispense medicine (including poisons) for animals under their care, and may accordingly supply sheep-dip for such animals. (2) The police can prosecute under Section 17 of the Pharmacy Act, 1868, any person who infringes that section, which refers solely to the regulations to be observed in selling and dispensing poisons. (3) A registered chemist employed by drug-stores to sell and dispense poisons does not legalise the acts of the stores, unless the business is that of a registered chemist or a limited company.

**Miscellaneous Inquiries.**

We endeavour to reply promptly and practically to trade questions of general interest, but cannot guarantee insertion of replies on a particular date, nor can we repeat information given during the past twelve months. A preliminary condition for reporting on samples submitted is that all particulars as to source and uses are given to us.

Orientalist (11/7).—The formula is a variant of Dobell's aperient (see "P.F.," p. 582), and is on the whole very good. Compare it with Dobell's.

T. J. (58/3).—Thanks for the curiosity.

Bodilnfaeh (44/36).—The WELL-WATER containing 310 grains of total solids per gal. (principally sodium chloride) is too saline for either drinking or domestic purposes, nor would treatment with chemicals render it suitable. The amount of iron (1.2 grain) present is also excessive.

Blackleg (56/90).—See "Veterinary Counter Practice," p. 66.

W. F. Y. (61/18) wants information as to the course of treatment of a chronic inflammation all round the finger-nail, which has remained practically stationary for eighteen months or so. The nail is much disfigured and grown in "ridges." All applications tried have been without success. [The condition is known as PARONYCHIA, and is an inflammation of the bed of the nail caused by bacterial infection. The best treatment is to pack well under the nail-fold daily a thin strip of double cyanide gauze, using a fine probe, then bandage over the finger-end with wet boracic lint covered with oiled silk, repeating until all signs of inflammation subside. It is sometimes necessary to incise the nail-fold and remove a small piece of nail, but with patience and skill the more conservative treatment generally suffices.]

Metal (62/40) has had several people in his shop lately complaining of acute pain in the arm, probably due to the prick of a pin, splinter, or bruise. It swells up greatly, leaving a red mark, which may be traced from the seat of pain, and a lump forms under the arm sometimes as big as an egg. Poulticing has had good results in some cases. [The condition is known as LYMPHANGITIS, and is due to bacterial poison being introduced into the cellular tissue of the arm through the prick; this spreads up the lymph-vessels and infects the glands in the armpit. The best treatment is warm boracic fomentations kept moist by a piece of jaconette, the arm being carried in a sling. It is the first stage in "blood-poisoning," and is a very dangerous condition, often requiring the best medical skill, so that treatment should not be undertaken lightly by a chemist.]

Rhumex (68/56).—CAVELLE'S EXTRACT is an ingredient in Russell's prescription for the treatment of obesity. He says it is "a preparation of marshmallow." The intention is that people should get the compounded medicine from the advertiser. It costs about 16s.

Mandalay (49/41).—It is difficult to say what the Board of Customs and Excise will regard as a constituent to render the hair-wash more nauseous than it is, seeing that it contains so much quinine, but we would suggest the addition of carbolic acid in the preparation of 1 minim to the ounce. You should send a sample of it to the Board, along with the formula.

H. B. (116/21).—The question of DISPENSING SOLUTIONS is fully dealt with in "The Art of Dispensing," p. 56, where most of those that you name are given as suitable for stock. If the bicarbonate solutions are kept in a cool place, and not longer than a week or two, they change very slightly.

Doubtful (56/23).—WOOL-BALL OR CURD IN LAMBS.—There is no sure cure or preventive for this, but a mixture of



pepsin, glycerin, and dilute hydrochloric acid is the most rational treatment. A good BLACK LEG preventive, to be put up and sold at 6d., cannot recommend itself to the public, as the more expensive the mixture, the greater its curative and preventive qualities. Sodium hyposulphite in 5ij. doses, given daily, with or without a few grains of pure phenol, should assist, but try the following:

Acid. carbolic.	...	...	...	5j.
Sodii bicarbonat.	...	...	...	3iv.
Spt. æther. nit.	...	...	...	3ij.
Ol. lini.	...	...	...	3v.

To be given daily for a few days. Blacklegoid tablets are taking the place of all other preparations, as they can be more depended upon, and one dose suffices.

*F. H. R.* (60/29).—The treatment of epilepsy in colonies consists in careful study of the conditions of each patient, so that by dieting, exercise, and freeing the patient from the causes which induce fits the constitution is gradually weaned, as it were, from the paroxysmal habit. Medicines, such as bromides, are not unusually resorted to.

*Ignorant* (59/18).—(1) The patient should consult a medical man, the symptoms being not inconsistent with inflammation of the bladder. (2) Several analyses of TUCKER'S ASTHMA-CURE were given during the hearing of the libel action *Tucker v. Walkley* (*C. & D.*, January 25, 1908, p. 112). Mr. Vasey obtained from a bottle cocaine 1.47 grain, atropine 0.6 grain, and sodium nitrite 24.46 grains, while another analyst found no atropine and 20 to 30 per cent. of glycerin, with a trace of benzoïn, and the rest water.

*Country Chemist* (20/25).—You should bind the six years' volumes of the *C. & D.* When that is done they will take up 3 ft. of shelf-room, and daily reference to one or other of them will soon pay for the binding by stimulating business ideas, providing formulas, and otherwise helping you in your business.

*J. H. B.* (59/57) wants to know what "GREEN SCAMMONY" is. It occurs in an old prescription for pills, which has been dispensed in Edinburgh.

*W. L. W.* (63/12).—DESTROYING VEGETATION ON BOGGY LAND.—Weed-killer would do this, but the money would be better spent on attempting to drain the land. Perhaps there are special circumstances in the case which you have not told us.

*A. W.* (55/3).—We cannot undertake to analyse the ointment.

*Medico* (66/68).—PRESERVING-POWDER FOR BUTCHERS' USE.—This is a mixture of equal parts of boric acid and borax. The powders are mixed and allowed to stand for twenty-four hours in the air, when they become damp. The mixture is then dried and powdered. The proportion to use for preserving meat is about  $\frac{1}{2}$  lb. to 100 lb. of meat, the powder being applied by means of a dredger or sieve.

*P. J. A.* (14/25).—The pimple-powder yields us negative results. It is possible that your customer's description of the effects of the powder are somewhat exaggerated.

*T. M. D.* (65/70).—The formula given in the *C. & D.*, July 25, 1908, for concentrated hydroquinone developer will probably suit your requirements. The concentration of the developer depends on the solubility of the developing-agent, and this is why adurol and para-amido-phenol are used where great concentration is needed.

*Ajax* (61/68).—DRY SHAMPOO.—You may take linimentum saponis as the type of liquid dry shampoos. In place of soap quillaia is sometimes employed (see *C. & D.*, August 8, 1908, p. 250). As a dry shampoo containing rectified spirit cannot be cheap, industrial or methylated spirit is indicated, but these cannot be employed without first obtaining permission of the Inland Revenue authorities.

*R. H.* (Johannesburg) (67/13).—The Roberts' Patent Filling Machine Co. manufacture a special ointment filling-machine in which the material is kept in a melted condition during the operation.

*J. C.* (43/8).—(1) ASTHMA-TILLS:

Camphor	...	...	...	gr. xxiv.
Ext. bellad. vir.	...	...	...	gr. vj.
Ext. hyoscyami	...	...	...	gr. xvijj.
Morph. acetatis	...	...	...	gr. ij.

Ft. pil. xij. One pill to be taken every four hours till relieved.

(2) ASTHMA-POWDER:

Pulv. lobeliæ...	...	...	...	3ij.
Pulv. stramon. fol.	...	...	...	3ij.
Pulv. theæ nigræ	...	...	...	3ij.
Pulv. potas. nit.	...	...	...	3ij.
Ol. anisi	...	...	...	℥v.

Misce.

*F. H. R.* (43/66).—We do not know what is meant by "sandy-blight" of the eyes.

*C. S.* (46/13).—BAD-LEG OINTMENT.—This ointment, which has proved, according to your customer, a specific for bad legs, contains carbolic acid, lead plaster, zinc oxide, and lard. The following resembles the sample you send:

Zinci oxide	...	...	...	3ij.
Ac. carbolic	...	...	...	3ij.
Emp. plumbi	...	...	...	3j.
Adipis	...	...	...	3ij.

Melt the emp. plumbi and adeps together, and incorporate the other ingredients when the mixture has cooled.

*Cymro* (48/3).—THREAD-WORM IN SHEEP.—We do not think the proportion of copper sulphate in the thread-worm powder is so great as you make out. A mixture of salt, sulphur, and copper sulphate or iron sulphate is usually given in cases of worms in animals. The average dose of copper sulphate for a sheep is about 20 grains, but this depends on the frequency with which it is administered.

*Francis* (58/30).—COLOURING STONE BLACK.—Why not use tar or black paint? Stone cannot be dyed in the usual acceptance of the term.

*Dental* (68/36).—A formula for glycerin of thymol was given in the *C. & D.*, April 3, p. 546.

*Cedar* (19/37).—STAMPING-INK with an oily basis would probably overcome your difficulty. The following is the recipe for a violet ink of this class:

Oil-soluble aniline-violet	...	...	...	5iij.
Oleic acid	...	...	...	3v.
Castor oil to	...	...	...	3xvj.

*Herbalist* (47/53).—We are not acquainted with the herbal "preparation" used for the eradication of cancers and tumours.

*Skin* (57/6).—SKIN-APPLICATION.—This is glycerin containing a small quantity of extract of henbane. It is not an oil, as you surmised.

*Mochwyn* (67/45).—COMBINED TONING AND FIXING BATH. (without sulphocyanide):

A.				
Sodium hyposulphite	...	...	...	4 oz.
Water	...	...	...	10 oz.
Dissolve.				
B.				
Lead nitrate	...	...	...	1 oz.
Glacial acetic acid	...	...	...	48 minims
Distilled water	...	...	...	10 oz.
Dissolve.				

Add B to A gradually and with shaking until a distinct cloudiness remains after well shaking. Then filter, and to each 10 oz. of the clear solution add gold chloride 1 grain.

*S. R. F.* (73/17).—GILDING PICTURE-FRAME.—You should procure Scott-Mitchell's "Practical Gilding" (3s., "Decorator's Office"), as it is not possible within the limits of this column to give you all the details needed for successfully gilding the frame.

*B. R. and B.* (Amritsar) (55/13).—There are no pharmaceutical correspondence colleges in Great Britain which grant diplomas.

*W. F.* (25/4).—The index to vol. lxxii. of the *C. & D.* will give you the references you desire to the "Canadian Formulary."

*W. F. B.* (67/32).—FRECKLE LOTION.—The following, from "Pharmaceutical Formulas," is a characteristic lotion for removal of freckles:

Pulv. camphoræ	...	...	...	℥j.
Ammon. chloridi	...	...	...	5ij.
Sp. rosæ	...	...	...	3ss.
Liq. hydrarg. perchlor.	...	...	...	3x.
Albuminis	...	...	...	3ij.
Aq. distillat. ad	...	...	...	3xx.

Triturate the powders and add the spirit, then the liquor, and shake until clear. Mix the white of egg with 2 oz. of water in a mortar and slowly add the mercurial solution, making up to a pint with water.

*A. E. H.* (11/28).—CEMENT FOR STONE.—This appears to be on the lines of sorel cement, which is formed by mixing caustic magnesia with a solution of magnesium chloride of sp. gr. 1.162 to 1.263. In a short time a white compact mass of basic chloride is formed. When used for stone it is best to wet the pieces to be united with some of the magnesium-chloride solution.

*Wart* (70/22).—We cannot add to the information given on the subject in "Diseases and Remedies."



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To be obtained from all the principal Wholesale Houses or direct from **THE IRON-OX REMEDY CO., Ltd.**, 20 Cockspur Street, Trafalgar Square, London, S.W.



# PRICES ISSUED WEEKLY.

Original Packages can generally be supplied at the Current Prices quoted in the Trade Report of this paper on Terms as below.

Acetanilide, B.P., 1 cwt. @ 11½ lb.; 7 lbs. @ 12 lb.; 1 lb. @ 13 lb.	Bals. Peruv. P.B., 1 lb. @ 9/6 lb.	*Ess. Pear (artificial), Jargonelle, 5 lbs. @ 1/6 lb.; Bergamot, 2/6 lb.
*Acet. Ipaac. B.P., 7 lbs. @ 1/3 lb.	" Sulphur, 7 lbs. @ 8½ lb.	*Ess. Pineapple, 5 lbs. @ 3/4 lb.
*Acetone, 6 lbs. @ 1/2 lb.; 1 lb. @ 1/4 lb.	Benzo Naphthol, 7 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.	*Vanilla Beans, 5 lbs. @ 4/4 lb.; 1 lb. @ 4/7 lb.
*Acid Acet. Glacial, 99%, Carboys 144 l.s. @ 4½ lb.; 12½ lb. bots. @ 6½ lb.; 6 lbs. @ 8d.	<b>Bismuth, P.B. Carb.</b> , 14 lbs. @ 7/9 lb.; 3 lbs. @ 8/1 lb.; subnit., 1/- lb. less.	*Ext. Belladonnae Liq. B.P., 5 lbs. @ 4/7 lb.; 1 lb. @ 5/- lb.
Acid Acetylo-Salicyl, 56 lbs. @ 2/1 lb.; 7 lbs. @ 2/3 lb.; 1 lb. @ 2/5 lb.	Boric Mixture, 1 cwt. @ 38/- cwt.	Ext. Cannab. Ind. Alc. B.P., 5 lbs. @ 36/- lb.
" Benz.B.P., 7 lbs. @ 1/8 lb.; 1 lb. @ 2/- lb.	Borax, 1 cwt. @ 16/9; powder 1/- extra	Ext. Cascara Sag. Liq., B.P., 10 lbs. @ 1/3 lb.
" Boric, Pulv., 3 cwt. @ 28/- cwt.; 1 cwt. @ 28/6 cwt.; Levigated, 3/- cwt. extra.	Butyl Chloral Hydras, P.B., 1 lb. @ 8/10 lb.	*Ext. Ergot. Liq. P.B., 5 lbs. @ 3/1 lb.; 1 lb. @ 3/4 lb.
" Carbol Xtls., 39/40; 56 lbs. @ 5½ lb.; 10-lb. Tins @ 5/8 each; Detached Cryst. 8/- each; 36-lb. Bots. @ 9d. lb. Single Bots. 11d. lb.; Detached Cryst. 1 lb. @ 1/1 lb.; Orude Black, 45 Gall. Oasks @ 10d. gall.; 1 Gall. Tins @ 1/5 each.	Caffeine, P.B., 1 lb. @ 14/- lb.	Ext. Gent., P.B., Solid, 1 cwt. @ 8½ lb.; 7 lbs. @ 9½ lb.
" Citric Cryst., B.P. '85, 1 cwt. @ 1/5 lb.; 7 lb. in Bags @ 1/6 lb.; powder ¾ d. extra.	Caffeine Cit. B.P., 1 lb. @ 10/- lb.	*Glycyrrh. Liq. B.P., 6 lbs. @ 1/6 lb.
" Diethylbarbituric, 16 oz. @ 3/6; 1 oz. @ 2/8.	Calamina, powder, fine pink, 5 cwt. @ 9/6 cwt.; 1 cwt. @ 10/6 cwt.; 7 lbs. @ 2d. lb.	*Hamamelis, Liq. P.B., 5 lbs. @ 3/5 lb.
" Gallic pur. P.B., 7 lbs. @ 1/10 lb.; 1 lb. @ 2/- lb.	Calamine B.P., 7 lbs. @ 9d. lb.	" Hyoscyam. Solid P.B., 3 lbs. @ 8/9; 1 lb. @ 9/3 lb.
" Hydrobrom., dil., B.P., 6 lbs. @ 7d. lb.	Calcii Carb. præcip., 5 cwt. @ 14/6 cwt.; 1 cwt. @ 17/- cwt.; 28 lbs. @ 19/- cwt.	*Ext. Ipecac. Liq. P.B., 5 lbs. @ 1/1 lb.; 1 lb. @ 1/9 lb.
" Hydrobrom. Ooml., cases of 4 2-gal. jars, 17/- each; 20 cases lots @ 16/- each.	" Hydras, P.B., 1 cwt. @ 25/- cwt.; 7 lbs. @ 5d. lb.	" Malti c. Ol. Jecoris, 10 lbs. @ 5½ lb.
" Hydrocyan. P.B., 6 lbs. @ 1/1 lb.; 1 lb. @ 1/4 lb.; 36 l. oz. Vials @ 3/6 doz.	" Hypophosph. Pur. P.B. 1 lb. @ 2/3 lb.	*Ext. Nuels Vom. Liq. B.P., 5 lbs. @ 3/3 lb.; 1 lb. @ 3/6 lb.; solid 5 lbs. @ 2/10 lb.; 1 lb. @ 3/1 lb.
" Oxalic Cryst., 5 cwt. @ 3½ lb.; 1 cwt. @ 3½ lb.; 14 lbs. @ 4d. lb.	" Iodid., 1 lb. @ 14/6 lb.	" Opil Solid P.B., 1 lb. @ 23/8 lb.
" Phosph. Dil., B.P., 8 lbs. @ 4½ lb.	<b>Camphor, English Flowers, "not artificial,"</b> 5 lbs. @ 1/11 lb.; ½ oz. 7 lbs. @ 2/2 lb.; ¼ oz. 7 lbs. @ 2/4 lb.; Orude, 140 lbs. @ 1¼ d. lb.; 28 lbs. at 1/6 lb.	*Opil Liq. B.P. 5 lbs. @ 3/10 lb.; 1 lb. @ 4/- lb.
" Salicyl. pulv., 1 cwt. @ 1/1 lb.; 28 lbs. @ 1/3 lb.; 7 lbs. @ 1/3 lb.; phys. pure, 1 lb. @ 3/- lb.	Cantharides, Russian, 7 lbs. @ 2/10 lb.; powder, 5d. lb. extra.	" Quassia, Solid, 7 lbs. @ 6/- lb.; 1 lb. @ 6/4 lb.
" Sulphur, Coml., cases, 4 2-gal. jars, 17/- each; 20 cases @ 16/- each.	Capsicine, soluble, 1 lb. @ 6/6 lb.	Ext. Sarsae Co. Solid, 7 lbs. @ 4/- lb.; 1 lb. @ 4/6 lb.
" Sulph. Aromat., B.P., 5 lbs. @ 3/8 lb.	Carbo Animalis or Ligni, 1 cwt. @ 14/- cwt.; 28 lbs. @ 2d. lb., powder or lump.	<b>Ferri Ammon. Cit.</b> P.B. 28 lbs. @ 1/6½ lb.; 7 lbs. @ 1/8½ lb.
" Tannic, B.P., 7 lbs. @ 2/2 lb.	Carmin, Finest, 1 lb. @ 17/- lb.; No. 2, 1 lb. @ 13/- lb.	Ferri Carb., 1 cwt. @ 21/- cwt.; 28 lbs. @ 3d. lb.
" Tart. cryst. or pulv., B.P. 1885, 1 cwt. @ 10½ lb.; 7 lbs. @ 11½ lb.; parv. ½ d. lb. extra.	Cera Alba, B.P. White Monas, 1 cwt. @ 1/6½ lb.; 28 lbs. @ 1/7½ lb.; 4 lbs. @ 1/8 lb. Flav. 1 lb.	Ferri et Quinine Cit., P.B.; 500 ozs. @ 3d. oz.; 100 ozs. @ 3½ oz.; 25 ozs. @ 3½ oz.
<b>Adeps Benz.</b> , B.P., 28 lbs. @ 8d. lb.	Blocks, 28 lbs. @ 1/6½ lb.; 4 lbs. @ 1/7½ lb.; 1 oz., ½ oz. Tabs, 7 lbs. @ 1/7½ lb.	Ferri Sulph., pure cryst., 1 cwt. @ 15/-; 7 lbs. @ 2d. lb.
Adeps Lanæ B.P., Anhydrous, 2 cwt. @ 52/6 cwt., Hydrous @ 49/- cwt.; 1 cwt. @ 2/- cwt., 28 lbs. @ 5/- cwt., 14 lbs. @ 8/- cwt., 7 lbs. @ 12/- cwt. extra.	Ceril Oxalas, 7 lbs. @ 1/2 lb.	Ferrum Redact. 80%, 28 lbs. @ 1/1 lb.; 7 lbs. @ 1/3 lb.
Aloes Barb., English Ground, 28 lbs. @ 70/- cwt.; 7 lbs. @ 8d. lb.	Cetaceum, No. 1, fine white, 64 lbs. @ 1/4 lb.; 7 lbs. @ 1/6 lb.; powder, 7 lbs. @ 1/10 lb.	Flor. Anth. Exot., first pickings 1908, 1 cwt. @ 66/- cwt.; 7 lbs. @ 8d. lb.; 2nd. 1 cwt. @ 48/-
Aloes, Socot., 7 lbs. @ 1/5 lb.; powder, 7 lbs. @ 1/5 lb.	Chloral Hydras Cryst. B.P., 7 lbs. @ 4/5 lb.; 1 lb. @ 4/9 lb.	Fol. Buchu, round good green, 1 cwt. @ 1/- lb.; 7 lb. @ 1/2 lb.
Ærugo Æris Pulv., 14 lbs. @ 11d. lb.	*Chlorodyne, 5 lbs. @ 1/11 lb.	Fol. Hyoscyam. Bien., 7 lbs. @ 12/9 lb.
Alain, B.P., 1 lb. @ 3/9 lb.	*Chloroform, pure B.P., 12 8-lbs. @ 1/7½ lb.; 8 lbs. @ 1/8½ lb.; 6 1-lb. bottles. @ 1/10½ lb.	Fol. Sennæ, Alex. Parv., 1 cwt. @ 4d. lb.; 28 lbs. @ 4½ lb.
<b>Ammon. Benz.</b> , 7 lbs. @ 2/8 lb.; 1 lb. @ 3/- lb.	Chlorophyll, 7 lbs. @ 5/- lb.; 1 lb. @ 5/9 lb.	" Sennæ Tinnev. 3½ cwt. @ 2½ lb.; 1 cwt. @ 3½ lb.; 7 lbs. @ 3½ lb.; English Ground, 1 cwt. @ 5½ lb.; 56 lb. @ 6d. lb.; 7 lbs. @ 7d. lb.
<b>Ammon. Brom.</b> , P.B., 1 cwt. @ 1/1½ lb.; 7 lbs. @ 1/3 lb.	<b>Cocaine Hydrochlor.</b> P.B., 25 ozs. @ oz.; 4 ozs. @ 7/10 oz.; 1 oz. @ 8/- oz.	Formaldehyde, 40%, 132-lb. Carboys @ 50/- each; Fuller's Earth, fine powder or lump, 5 cwt. @ 5/- cwt.; 1 cwt. @ 6/- cwt.
<b>Ammon. Carb. lump</b> , 3 cwt. @ 3½ lb.; 28 lbs. @ 4½ lb.; 7 lbs. @ 5d. lb.; powder, ½ d. lb. extra.	Codena, 1 oz. @ 10/9 oz.; Phosph., 1 oz. @ 9/1 oz.; Hydrochlor. or Sulph. 1 oz. @ 9/11 oz.	Gamboge English Ground, 7 lbs. @ 4/- lb.; 1 lb. @ 4/4 lb.
<b>Ammon. Chlor.</b> , 99% pulv., 1 cwt. @ 33/- cwt.; 7 lbs. @ 4d. lb.; Batteries, 4/- cwt. extra.	Colocynth, Apple, English ground, 1 cwt. @ 10½ lb.; 28 lbs. @ 11d. lb.; 7 lbs. @ 10½ lb.	Ginger, English Ground, 1 cwt. @ 52/- cwt.; 7 lbs. @ 6½ lb.
<b>Amyl Pulv.</b> , 10 cwt. @ 13/3 cwt.; 2½ cwt. @ 13/9 cwt.; 1 cwt. @ 15/3 cwt.	Turkey Pulp, 2 cwt. @ 1 lb.; 7 lb. @ 1 lb.	Gingerine, Extra, 5 lbs. @ 9/6 lb.; 1 lb. @ 10/- lb.
<b>Aniseed</b> , English ground, 1 cwt. @ 35/- cwt.; 7 lbs. @ 5d. lb.	Composition Powder (Goffin's), 1 cwt. @ 58/- cwt.; 7 lbs. @ 7½ lb.	<b>Glycerin. Opt.</b> , D.D., 1-260 P.B., 1 cwt. @ 73/- cwt.; 56 lb. @ 74/- cwt.; 12 lbs. @ 9½ lb.
<b>Antim. Crocus Pulv.</b> , 1 cwt. @ 38/- cwt.; 14 lbs. @ 33/- cwt.	Conf. Sennæ P.B., 14 lbs. @ 8d. lb.; 7 lbs. @ 8½ lb.	*Glycerin. Acid. Boric P.B., 6 lbs. @ 1/2 lb.
<b>Antim. Nig. pulv.</b> , 1 cwt. @ 25/6 cwt.; 14 lb. @ 33/- cwt.	Cort. Aurant. Exot. Shreis, 1 cwt. @ 6½ lb.; 7 lbs. @ 8d. lb.	*Glycerin. Acid. Carbolic P.B., 6 lbs. @ 1/2 lb.
<b>Apiol</b> , 1 lb. @ 13/9 lb.	Cort. Cinchon. Rub. (Quill), 7 lbs. @ 1/- lb.	" Acid. Tannic, P.B., 6 lbs. @ 1/2 lb.
* <b>Aqua Anethi</b> Conc. 1-40, 1 lb. @ 2/11 lb.	Cort. Ulmi Fulvæ, English Ground, 1 cwt. @ 8½ lb.; 7 lb. @ 10d. lb.	" Belladon. B.P.O., 6 lbs. @ 2/6; 1 lb. @ 2/9 lb.
" Anisi Conc. 1-40; 1 lb. @ 3/1 lb.	<b>Cream Tartar</b> , 98 % powder, 1 cwt. @ 74/- cwt.; 7 lbs. @ 9d. lb.	" Boracic P.B., 6 lbs. @ 11d. lb.
" Cinnam. Conc. 1-40, 1 lb. @ 3/4 lb. [7d. lb.	Cresosotum Beechwood, P.B., 22 lbs. @ 1/7 lb.; 7 lbs. @ 1/9 lb.	*Glycerin. Pepsine Acid P.B., 1 lb. @ 3s. lb.
" Aurant. Trip., 53 lbs. @ 17/6; 6 lbs. @ 1 lb.	Creta c. Camph., 7 lb. @ 8d. lb.	*Glycerine Plumbi, subacet., P.B., 6 lbs. @ 1/4 lb.
" Aurant. Conc. 1-40, 1 lb. @ 6/1 lb.	" Gall. Pulv. in sacks, 10 cwt. @ 6/- cwt.; 1 cwt. @ 7/- cwt.; 14 lbs. @ 1½ lb.	Gran. Parad., 1 cwt. @ 75/- cwt.; 7 lbs. @ 9d. lb.
" Rosæ Trip., 53 lbs. @ 17/6; 6 lbs. @ 7d. lb.	Creta Præparata, 7 lbs. in box, 9d. each.	Guaiacol Carb., 7 lbs. @ 5/- lb.; 1 lb. @ 5/4 lb.
" Rosæ Conc. 1-40, 1 lb. @ 6/- lb.	Cubebæ, English Ground, 28 lbs. @ 126/- cwt.; 7 lbs. @ 1/4 lb.	Guaiacol, pure, 1 lb. @ 3/6 lb.
" Samb. Trip., 53 lbs. @ 23/6; 6 lbs. @ 8d. lb.	*Dec. Aloes Co. Conc. 1-2, 6 lbs. @ 2/4 lb. Sine croco, 6 lbs. @ 1/2 lb.	Gum Acacia sorts, 3 cwt. @ 38/- cwt.; 1 cwt. @ 45/- cwt.; 7 lbs. @ 5½ lb.; English Ground Powder, No. 1, 1 cwt. @ 95/- cwt.; 7 lbs. @ 1/- lb.; No. 2, 1 cwt. @ 60/- cwt.; 7 lbs. @ 8d. lb.
" Samb. Conc. 1-40, 1 lb. @ 6/1 lb.	*Dec. Cinchonæ (Rubræ) Conc. 1-7, 6 lbs. @ 1/10	Gum Benzoin, Sumatra, 84 lbs. @ 1/4 lb.; 7 lbs. @ 1/6 lb.
" Laurocerast, 53 lbs. @ 17/6; 6 lbs. @ 7d. lb.	Dionine, 15 grains @ 1/8; ½ oz. @ 9/-	Gum Catechu, Nig. English Ground, 1 cwt. @ 50/- cwt.; 14 lbs. @ 6d. lb.
" Menth. Pip. Conc. 1-40, 1 lb. @ 3/- lb.	Emp. Spread 12 yds. x 16 ins. Adhesive, 3/8; Bellad. B.P.O. Green @ 16/6; Cerat. Saponis @ 7/6; Picis Co. @ 7/6; Plumbi @ 6/-; Resin @ 4/6; Roborans @ 6/-; Saponis B.P. @ 6/-	Gum Guaiaci, 1 cwt. @ 10½ lb.; 28 lbs. @ 1/- lb.
Araroba, fine powder, 7 lbs. @ 6/10 lb.; 1 lb. @ 7/4 lb.	Emp. Pies, P.B., 7 lbs. @ 8½ lb.	Gum Juniper, 14 lbs. @ 9d. lb.
<b>Argent. Nit.</b> , Cryst., 25 oz. @ 1/8½ lb.; 1 oz. @ 1/2 lb.; Cryst., 25 oz. @ 1/8 oz.; 8 oz. @ 1/7 oz.	" Plumbi, P.B., 7 lbs. @ 8½ lb.	Gum Thus Elect, 2½ cwt. @ 28/- cwt.; 28 lbs. @ 32/3 cwt.
" Atropine Sulph., P.B., 1 oz. @ 14/- oz. [4d. lb.	" Resina, P.B., 7 lbs. @ 8½ lb.	Gum Tragac. Elect., English Ground, 7 lbs. @ 3/6 lb.; 1 lb. @ 3/9 lb.
" Atropine, Alb. Pulv., 1 cwt. @ 20/- cwt.; 7 lbs. @ 4/1 lb.	Emp. Roborans, 7 lbs. @ 8½ lb.	*Heading (Frothing Ess.), 5 lbs. @ 1/1 lb.
" Auri Chlor., 6 doz. 15 gr. tubes @ 18/3 doz.; 1 doz. 15 gr. tubes @ 19/6 doz.	Emulsio Ol. Morrhuæ, 10 lbs. @ 6½ lb.	
<b>Bals. Copaibæ</b> pure, 44 lbs. @ 2/2 lb.; 9 lbs. @ 2/4 lb.; 1 lb. @ 2/8 lb.	Eserine Sulph. in 15 grain tubes, 3/- each.	

\*Minimum quantity at these prices, Home Trade, 8 Winchester Quarts assorted. Export, 12 Winchester Quarts assorted.

NOTE.—Only Terms Net Cash with order without discount, or orders accepted through London Merchants or Bankers.

Goods carriage forward; all packages free; Export cases extra.

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# PRECIPITATED Creta PRÆCIP. CHALK.

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"Sturge's  
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All grades from the **FINEST LIGHT** to **VERY DENSE**.

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The great household Remedy for Chest Colds, Sore Throat, Rheumatism, Sciatica, & all aches & pains.

"A positive pain killer."—DR. GORDON STABLES, R.N.

Advertised Prices ... 1 1/2 and 2 9 per bottle.

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CARRIAGE PAID.

Proprietors:—**DAY & SONS, CREWE, LTD., CREWE.**



# **Behold!**

# **Behold!!**

Signs of progress and age begin now to appear,  
That old oft-told tale must be told again here,  
Somewhat hackney'd we know, and sometimes, p'raps, not true,  
But 'tis true when we tell it, as is well known to you.

All of which means, friends, that—to adopt the language of the commonplace—

**“Owing to the steady and continuous increase of our business, we have been compelled to secure larger and more commodious premises.”**

That is all.

The locality of these new premises will be announced in this journal on June 26, by which time we hope to be ready to receive our friends. They are commodious premises, and will enable us to combine our warehouse and offices under one roof. And in addition—an important addition, we think—

**We shall be in a position to offer those of our friends who may wish to confer together upon matters affecting their interests facilities for meeting each other—Free of all cost to them.**

**THIS IS THE**  
**CHEMIST'S CO-OPERATIVE WHOLESALE**

**WE HAVE SAID SO.**

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**Sal Hepatica. ————— Sanitol. ————— Murine.**

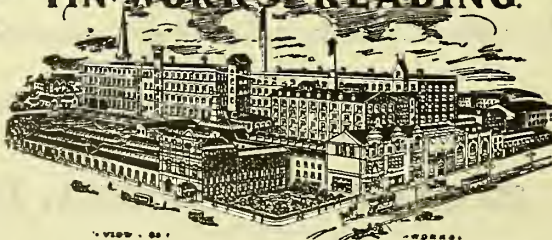
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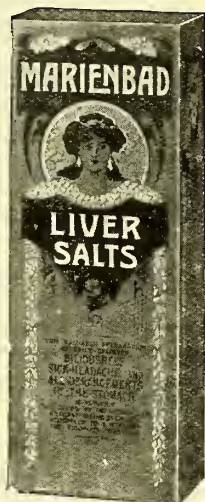
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	Doz.	6 doz.	12 doz.	
Price	8/9	8/6	8/3	doz.



One of the most beautiful and attractive packages we have introduced; of exquisite design and colouring, it sells at sight.

	Doz.	6 doz.	12 doz.	
Price	6 oz. 7/-	6/9	6/6	doz.
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*Ask us to send you samples of our newest cartons;  
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**Evans Sons Lescher & Webb, Ltd.**  
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# KHAKI Coloured ELASTIC HOSIERY.

Something New for the Summer Season.

**IT LOOKS WELL.**

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This new colour was originally made up for wear by athletes, cyclists, &c., who find it preferable in many ways to white, but we find that wherever shown it has commended itself to all classes of wearers of elastic hosiery, and has been sold freely by every chemist who has stocked it. It is somewhat cheaper than the ordinary white article, but is not in any way inferior either in the quality of the elastic or the cotton, while it is much less easily soiled. In order to induce chemists to stock a range of sizes we are offering a specially low price for purchasers of not less than one dozen pairs at a time. Try a sample pair—money back in full if you do not like them.

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**KHAKI** coloured cotton elastic **Stockings**, sizes 1 to 8 ... per pair **2s. 6d.**  
 ... per doz. pairs **27s. 0d.**  
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 ... per doz. pairs **18s. 0d.**

N.B.—Out sizes and Specials are not made in this colour.

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Carriage paid on orders of £2 and upwards to any town in the United Kingdom.

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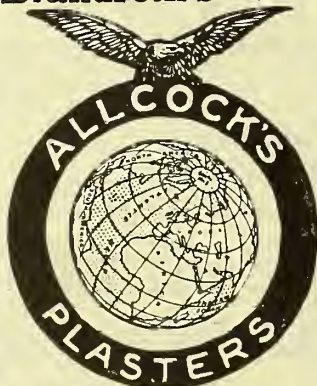
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**POROUS PLASTERS**

A REMEDY OF 60 YEARS' STANDING.

**Allcock's Plasters**  
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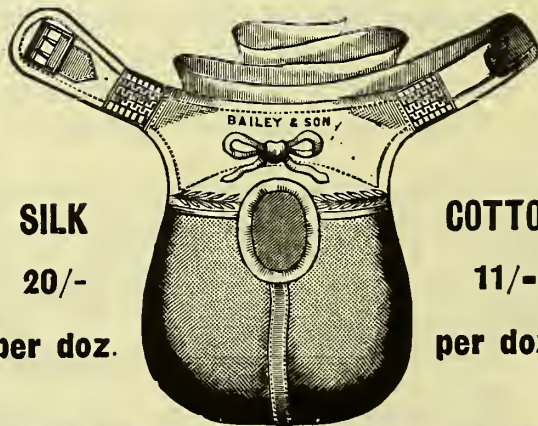
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"Sold all round the World."

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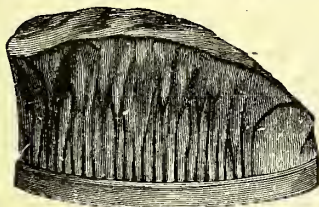
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20/-  
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**COTTON**  
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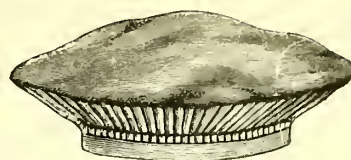
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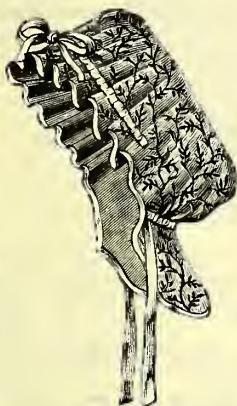


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We hold a large stock of the best selling lines in Rubber and various Sheetings. Our "**VANORIC**" Cap is perfection.

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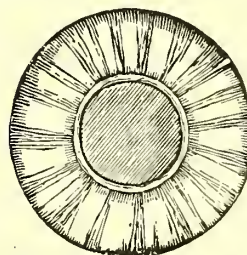
Current Price List of India Rubber Goods of all descriptions for Chemists and Druggists forwarded on application.



**The Hutchinson Co.**  
70 Basinghall Street, E.C.

Telephone: 3265 LONDON WALL.

Telegrams: "HUTCHINSON LONDON."



## Transfer of Business.

MESSRS.

**WRIGHT TURNER & SON, Ltd.,**

PENDLETON, MANCHESTER,

Have pleasure in informing their friends that they

**HAVE DISPOSED OF THE ABSORBENT  
COTTON AND COTTON WOOL BRANCH  
OF THEIR BUSINESS TO**

**Messrs. W. G. TAYLOR.**

In making this announcement, Messrs. Wright Turner & Son, Ltd., take the opportunity of thanking their friends for past favours, and trust they will continue the same measure of support to their successors.

On and after May 31st will customers kindly direct their orders to W. G. Taylor, New Charford Mills, Saltley, Birmingham.

**W. G. TAYLOR,** (a branch of Southall Bros. & Barclay, Ltd.)

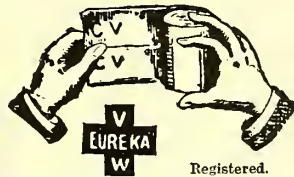
**BIRMINGHAM and BROMSGROVE.**

**WHOLESALE ONLY.**

**VINCENT WOOD'S** NEW FAST EDGE  
"Eureka" Crêpe Velpeau Bandages.

RUBBERLESS,  
Porous and  
WASHABLE.

Special  
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for quantities.



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SOLE  
IMPORTER  
for Gt. Britain  
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Wholesale  
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all Sundries  
Houses.

**THE BANDAGE OF THE FUTURE**  
in cases of Varicose Veins, Sprains or Abdominal Binding, &c.  
NO OTHER will be worn or asked for.

Prices per doz. Bandages, Widths: 2 2 1/2 3 4 5 6 8 11 ins.  
Best Quality ... 12/- 15/- 16/- 36/- 54/-  
2nd ... 9/- 12/- 15/-

Send for Price List of Trusses, Belts, Hot Water Bottles, Elastic Stockings, Sponge Bags, Bathing Caps, &c.

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Every Genuine Bandage must have "Eureka" on Wrapper.

Customers can have their own names on Wrappers and Circulars.

**ZEAL'S PATENT**

**CLINICAL THERMOMETER**  
The "REPELLO"

Requires no shaking down.

A 30-Second Pushed back in  
an instant. Guaranteed Accurate.

Good Selling  
Lines for  
Chemists.



Send for list, post free.

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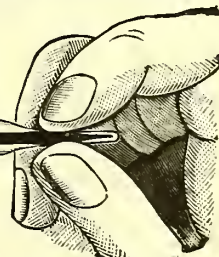
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**CLINICAL THERMOMETERS.**

A SELECTION OF 50 KINDS.

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**GILES' SPECIAL**  
**Cough**  
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1/- per Box.  
 Post free,  
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Price to the Public: 1/1½ per Box.

**PRICE TO TRADE:**

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1 gross ... 9/6 per doz.  
 4 doz. ... 9/9 "

**TERMS:** Net Cash with order.

FOR QUANTITIES AS STATED ABOVE, CARRIAGE PAID.

# NEPENTHE.

## THE SAFEST AND BEST PREPARATION OF OPIUM.

In 2-oz., 4-oz., 8-oz., and 16-oz. bottles.

**GLYCEROLE OF NEPENTHE** (eight times the single strength) for hypodermic injection. In 1 oz. Bottles.  
**NEPENTHE SUPPOSITORIES** in four strengths. Equivalent to  $\frac{1}{8}$ ,  $\frac{1}{4}$ ,  $\frac{1}{2}$ , and 1 grain Morphia.

The word "NEPENTHE" is registered under the Trade Marks Act, and is the exclusive property of Ferris & Company, Ltd. We have from time to time been compelled to obtain injunctions in the Courts by which Defendants were perpetually restrained from dispensing, selling, or supplying under the name of "NEPENTHE," or any colourable imitation thereof any medical preparation not prepared by us, and from in any manner infringing our Trade Mark "NEPENTHE" (No. 464), and were ordered to pay the costs of the actions.

The Trade are respectfully warned against any infringement of our Trade Mark "NEPENTHE," or the use of any name so nearly resembling it as to be calculated to deceive, and also against dispensing any but "Ferris & Co.'s" preparation when "NEPENTHE" is ordered in a prescription.

**FERRIS & CO., LTD., BRISTOL.**

Telephone Number: 3365 (3 lines), London Wall.

## H. POTHS & CO.,

26 & 27 FARRINGDON STREET, LONDON, E.C.

SHOP BOTTLES AND JARS WITH VITRIFIED LABELS, SHOW BOTTLES,

Perfume, Screw-capped, and Medical Bottles of all kinds,  
 Graduated Measures, Druggists' Sundries.

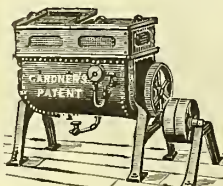
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## Messrs. WM. GARDNER & SONS

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**Engineers, GLOUCESTER,**



Will have a Large Exhibit of their  
 Machines at

**STAND NO. 383**

(Machinery in Motion Department),

Royal Agricultural Society's Show  
 at Gloucester, June 22nd to 26th.

THEY HEARTILY INVITE ALL THEIR OLD FRIENDS TO VISIT  
 AND INSPECT THEIR STAND.

## DISPENSING BOTTLES & PHIALS.

**I. ISAACS & CO.,** Glass Bottle Manufacturers,  
 106 Midland Road, St. Pancras, London, N.W.

Be to call attention to their **REDUCED PRICES.**  
 We make the New Shape, Oval Fronted Bottles. No extra charge.

**FIRST QUALITY.**

3 & 4 6 & 8 12 16 ounce. } Round edges, plain or  
 9/- 10/- 15/- 20/- per gross } graduated, quinine tinted.

**SECOND QUALITY.**

3 & 4 6 & 8 12 16 ounce. } Round edges, plain or  
 7/6 8/6 12/- 18/- per gross } graduated, clear blue tinted.

**PANEL BOTTLES (reduced prices).**

2 3 4 6 8 ounce  
 7/6 8/- 8/- 9/- 10/- per gross.

**WHITE PHIALS—GOOD QUALITY.**

1 1½ 2 ounce  
 3/6 4/- 4/6 5/6 per gross } Plain or teaspoons.

6ix gross and upwards, assorted or otherwise, sent carriage paid to any  
 address in the United Kingdom. Smaller quantities not carriage paid.

Established 50 years. Bankers: London and Westminster Bank.



# F. H. TAYLOR & SONS

## Glassware for Chemists.

*Illustrated Catalogue post free.*



309.

### POISON DISPENSING BOTTLES.



310.

			1 drm.	2 drm.	$\frac{1}{2}$ oz.	1 oz.	$1\frac{1}{2}$ oz.	2 oz.	3 oz.	4 oz.	6 oz.	8 oz.	10 oz.	12 oz.	16 oz.	20 oz.	24 oz.	30 oz.
309	Actinic, flat	} plain, per gross	...	3/9	3/9	4/3	4/9	5/6	6/-	6/10	7/6	10/-	11/-	15/-	16/9	20/6	24/-	—
310	" hexagon		...	3/9	3/9	4/3	4/9	5/6	6/-	6/10	7/6	10/-	11/-	15/-	16/9	20/6	24/-	—
727	" flat	} stoppered "	...	16/-	16/-	17/-	18/-	19/-	19/-	22/-	22/-	27/-	27/-	35/-	35/-	44/-	48/-	—
727/1	" hexagon		...	16/-	16/-	17/-	18/-	19/-	19/-	22/-	22/-	27/-	27/-	35/-	35/-	44/-	48/-	—
309/1	Dark blue, flat	} plain "	...	3/9	3/9	4/3	4/9	5/6	6/-	6/10	7/6	10/-	11/-	15/-	16/9	20/6	24/-	36/-
310/1	" hexagon		...	3/9	3/9	4/3	4/9	5/6	6/-	6/10	7/6	10/-	11/-	15/-	16/9	20/6	24/-	46/-
727/2	Dark blue, flat	} stoppered "	...	16/-	16/-	17/-	18/-	19/-	19/-	22/-	22/-	27/-	27/-	35/-	35/-	44/-	48/-	60/-
727/3	" hexagon		...	16/-	16/-	17/-	18/-	19/-	19/-	22/-	22/-	27/-	27/-	35/-	35/-	44/-	48/-	72/-
728	Actinic, The Practical, plain	"	...	5/8	5/8	5/8	6/2	6/11	7/9	8/2	9/9	13/-	15/4	19/-	20/6	27/-	34/6	—
729	" " " " stoppered	"	...	21/-	21/-	21/-	22/-	24/-	24/-	30/-	30/-	34/-	34/-	42/-	42/-	54/-	58/-	—
728/1	Dark blue, " " plain	"	...	4/11	4/11	4/11	5/8	6/4	6/10	7/10	8/8	12/6	13/9	16/9	19/9	25/-	32/6	—
729/1	" " " " stoppered	"	...	21/-	21/-	21/-	22/-	24/-	24/-	30/-	30/-	34/-	34/-	42/-	42/-	54/-	58/-	—

### DISPENSING VIALS.



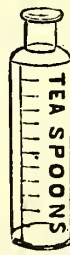
290.



288.



295.



292.



289.

			$\frac{1}{2}$ drm.	1 drm.	2 drm.	$\frac{1}{2}$ oz.	1 oz.	$1\frac{1}{2}$ oz.	2 oz.	3 oz.	4 oz.	5 oz.	6 oz.	8 oz.	10 oz.	12 oz.	16 oz.	20 oz.
295	Actinic green, round shouldered	} per gross	—	3/6	3/9	4/6	4/9	5/6	6/-	7/-	8/9	—	10/6	12/-	—	—	—	—
295/1	Amber, round shouldered,		—	—	—	4/6	4/9	5/6	5/6	6/-	6/3	8/3	8/9	9/6	10/9	13/6	—	20/9
295/3	White flint, round shouldered	} narrow mouth ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
292	White flint, tall, graduated to		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
290	White flint, short, medium or	} tall, plain ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
289	White flint, short, medium or		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
748	White flint, short, medium or	} tall, stoppered ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
289/1	White flint, medium or tall		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
288/1	plain, second quality, in	} original crates only ...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
288/1	original crates only		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Nos. 292, 290, 289, and 288 are packed in partitioned cardboard boxes, at 3d. per gross extra; and we always pack in this way, unless distinctly ordered loose.

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**ANALYSE**

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expenses.

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LTD.

**Price List**

*Issued :: :: February 1909*

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**LONDON.**

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# BRUNNER, MOND & Co.'s

Alkali  
Products.



Crescent  
Brand.

These products are made by the Ammonia Process, and are distinguished from others by their great purity.

## Bicarbonate of Soda.

**This Bicarbonate answers all the requirements of the British Pharmacopœia.** It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

## Concentrated Crystal Soda.

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

## Pure Alkali. 58 Degrees.

A dry white powder; dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

## Pure Soda Crystals.

**NOTE.**—Proceedings have been taken by the Board of Trade against a person for selling as Soda Crystals an adulterated article, and the High Court has upheld the conviction. See the case of **FOWLER v. CRIPPS**, heard on 8th November, 1905, before a Divisional Court, consisting of the Lord Chief Justice, Mr. Justice Wills, and Mr. Justice Darling.

## Caustic Soda.

Manufactured from pure Carbonate, and supplied of all degrees of strength.

## Bleaching Powder.

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

**BRUNNER, MOND & CO., LIMITED, NORTHWICH, CHESHIRE.**



ELLIMAN.

# Offers.

ELLIMAN.

**NUMBER 1.** *ONE INSIDE SHOWCARD* to any of the enclosed patterns. The dimensions and a reference letter are marked upon the back to avoid the return of the one selected.

**NUMBER 2.** Three dummies ROYAL Embrocation 2/- size.  
 Six               "               "               "               1/- size.  
 Six               "               UNIVERSAL               "               1/1½ size.

**NUMBER 3.** 250 Counter Bills, 50 R.E.P. Booklets as patterns enclosed with your name and address printed on them. (Carriage paid by Passenger Train.)

Please return this Sheet, CROSSING OUT the offer you do not accept, affixing below one of your labels and MARKING AT THE SIDE of it the reference LETTER OF THE SHOWCARD SELECTED.

By using this form, we can pass it immediately into the department that will attend to it.

Space for Business Label.

If any communication of the nature of a letter be added, then this may not be sent in an open envelope with a half-penny stamp upon it.

**Address: ELLIMAN, SONS & CO., SLOUGH, ENGLAND.**

DUPLICATE

of this

**MODEL**

and

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 also one each free  
 copies (for office  
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A DELICIOUS BEVERAGE AND AN INVALUABLE FOOD.